

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

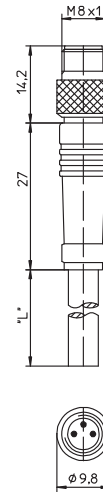
RSMV | RSMWV



3- and 4-Poles

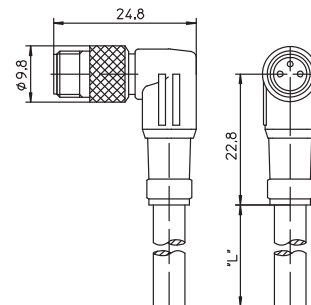
Actuator/sensor cordset, single-ended, M8,
3- and 4-poles male straight connector with
self-locking threaded joint and molded cable.

RSMV



Actuator/sensor cordset, single-ended, M8,
3- and 4-poles male 90° connector with self-
locking threaded joint and molded cable.

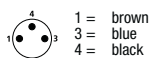
RSMWV



Pin Assignments

M8

3 poles



- 1 = brown
- 3 = blue
- 4 = black

4 poles



- 1 = brown
- 2 = white
- 3 = blue
- 4 = black



Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

RSMV 3 | RSMV 4 | RSMWV 3 | RSMWV 4

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU
Insert PA / TPU
Contact CuZn, pre-nickelated and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical data

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 3 poles 60 V
4 poles 30 V
Rated voltage 3 poles 63 V
4 poles 36 V
Test voltage 3 poles 1.5 kV eff. / 60 s
4 poles 0.8 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSMV 3-06/...M	3	PVC	2 M / 5 M / 10 M	
RSMV 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RSMV 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RSMV 4-225/...M		PUR-halogen-free	2 M / 5 M / 10 M	

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

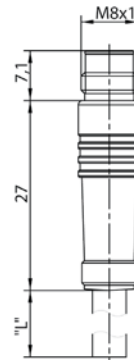
RSM 8-354



8-Poles

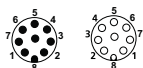
Actuator/ sensor cord sets, single-ended, M8 male connector without snap-in joint and molded cable.

RSMV



Pin Assignments

M8 8 Poles



- | | |
|------------|----------|
| 1 = white | 5 = grey |
| 2 = brown | 6 = pink |
| 3 = green | 7 = blue |
| 4 = yellow | 8 = red |



Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104
RSM 8-354

Technical Data

Environmental

Degree of protection IP x8 / NEMA 6P (15m/48h & 100m/2h)
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, & 0.8 microns gold-plated
Receptacle shell CuZn, nickel-plated
O-ring FKM

Electrical data

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 1 A
Nominal voltage 30 V
Rated voltage 36 V
Test voltage 0.8 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
354	PUR, halogen-free	8 x 0.14 mm ²	Black	.197" (5.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSM 8-354/...M	8	PUR	2 M / 5 M / 10 M	   

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

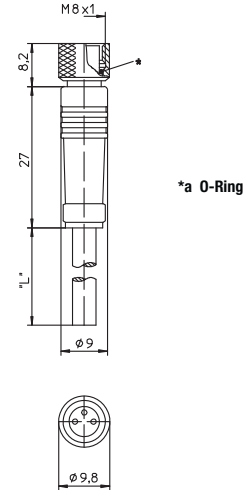
RKMV | RKMWV



3-, 4-, and 8-Poles

Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female straight connector with self-locking threaded joint and molded cable.

RKMV

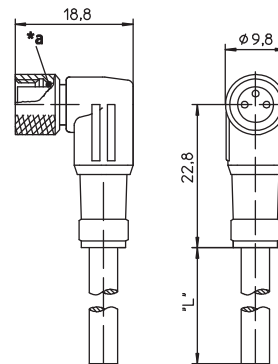


*a O-Ring



Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female 90° connector with self-locking threaded joint and molded cable.

RKMWV

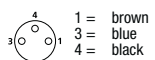


*a O-Ring

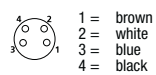
Pin Assignments

M8

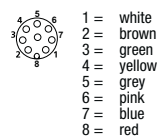
3 poles

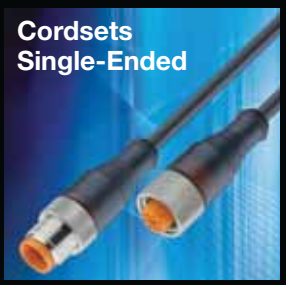


4 poles



8 poles





Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

RKMV 3 | RKMV 4 | RKMV 8 | RKMWV 3 | RKMWV 4

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU
 Insert PA / TPU
 Contact CuZn, pre-nickel- and 0.8 microns gold-plated
 Coupling nut CuZn, nickel-plated

Electrical data

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 4 A
 Nominal voltage 3 poles 60 V
 4 poles 30 V
 Rated voltage 3 poles 63 V
 4 poles 36 V
 Test voltage 3 poles 1.5 kV eff. / 60 s
 4 poles 0.8 kV eff. / 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
354	PUR, halogen-free	8 x 0.14 mm ²	Black	.197" (5.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKMV 3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKMV 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKMV 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RKMV 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKMV 8-354/...M	8	PUR, halogen-free	2 M / 5 M / 10 M	

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

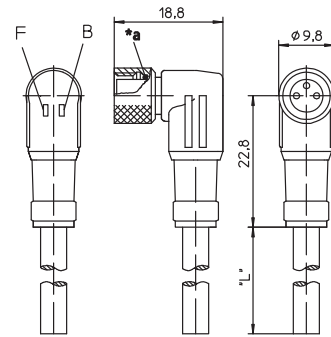
RKMWW/LED A 3



3-Poles (LED)

Actuator/sensor cordset, single-ended, M8
3-poles, female 90 connector with LED
operation and function indicator, self-locking
threaded joint and molded cable.

RKMWW/LED

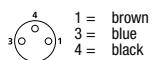


*a O-Ring

Pin Assignments

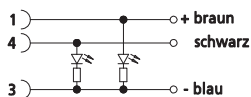
M8

3 poles



Wiring Diagram

A pnp Normally open = yellow-green





Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104
RKMWW/LED A 3

Technical Data

Environmental

Degree of protection IP 67/IP 69K / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU
Insert PA / TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated
O-Ring FKM

Electrical data

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C 4 A
Nominal voltage 10-30 V DC
Insulation resistance $> 10^9 \Omega$
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKMWW/LED A 3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKMWW/LED A 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

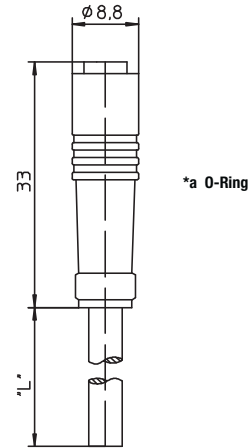
RKM | RKMW



3- and 4-Poles

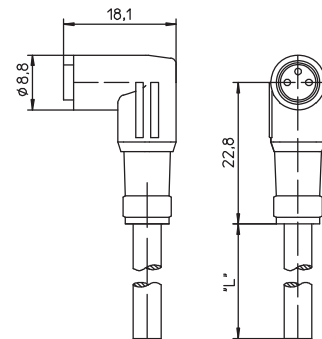
Actuator/sensor cordset, single-ended, M8
3- and 4-poles, female straight connector with
snap-in joint and molded cable.

RKM



Actuator/sensor cordset, single-ended, M8 3-
and 4-poles, female 90° connector with snap-in
joint and molded cable.

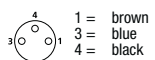
RKMW



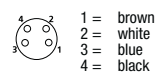
Pin Assignments

M8

3 poles



4 poles





Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

RKM 3 | RKM 4 | RKMW 3 | RKMW 4

Technical Data

Environmental

Degree of protection IP 65
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical









Housing / Molded body TPU
Insert PA / TPU
Contact CuZn, pre-nickelated and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical data

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 3 poles 60 V
4 poles 30 V
Rated voltage 3 poles 63 V
4 poles 36 V
Test voltage 3 poles 1.5 kV eff. / 60 s
4 poles 0.8 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKM 3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKM 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	  
RKM 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RKM 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	  

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

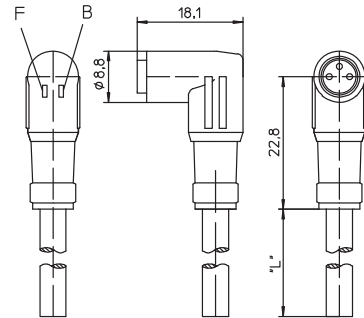
RKMW/LED



3-Poles (LED)

Actuator/sensor cordset, single-ended, M8, 3-poles, female 90° connector with LED operation and function indicator, with snap-in joint and molded cable.

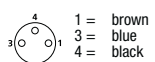
RKMW/LED



Pin Assignments

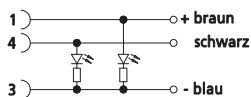
M8

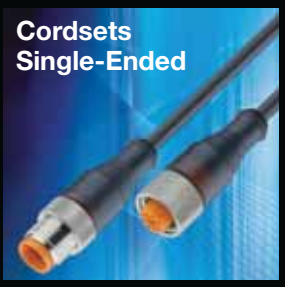
3 poles



Wiring Diagram

A pnp Normally open = yellow-green





Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104
RKMW/LED 3

Technical Data

Environmental

Degree of protection IP 65
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU
Insert PA / TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical data

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 10-30 V DC
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKMW/LED A 3-06/...M	3		2 M / 5 M / 10 M	
RKMW/LED A 3-224/...M			2 M / 5 M / 10 M	

**M8-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61976-2-104**

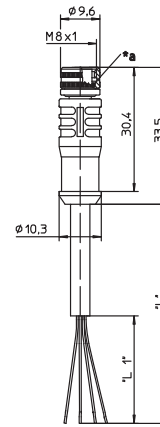
RKMVS | RKMVVS



3- and 4-Poles

Actuator/sensor cordset, single-ended, M8, 3- and 4-poles, female straight connector with self-locking threaded joint and molded cable, shielding connected to knurled nut.

RKMVS

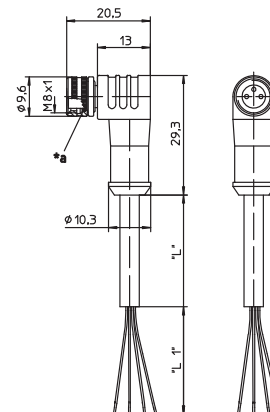


*a O-Ring
L 1 Stripping 30 mm



Actuator/sensor cordset, single-ended, M8, 3- and 4-poles, female 90° connector with self-locking threaded joint and molded cable, shielding connected to knurled nut.

RKMVVS

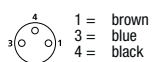


*a O-Ring
L 1 Stripping 30 mm

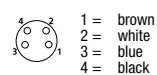
Pin Assignments

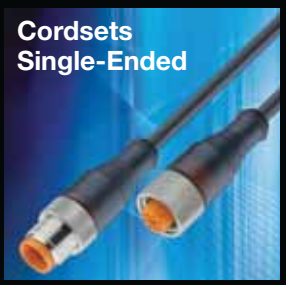
M8

3 poles



4 poles





Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

RKMVS | RKMWVS

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -30°C (-22°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU
 Insert TPU, fibre-glass reinforced
 Contact CuZn, gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM

Electrical data

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 4 A
 Nominal voltage 3 poles 60 V
 4 poles 30 V
 Rated voltage 3 poles 63 V
 4 poles 36 V
 Test voltage 500 V eff. / 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3/2

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
357	PUR, halogen-free	3 x 0.25 mm ²	Grey	.181" (4.6 mm)
358	PUR, halogen-free	4 x 0.25 mm ²	Grey	.205" (5.2 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKMVS 3-357/...M	3	PUR, halogen-free	5 M	
RKMVS 4-358/...M	4	PUR, halogen-free	5 M	

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

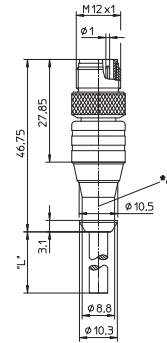
RST



3-, 4-, 5-, and 8-Poles

Actuator/sensor cordset, single-ended, M12,
3-, 4-, 5-, and 8-poles, male straight connector
with self-locking thread and molded cable.

RST



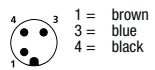
*a hose mounting



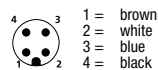
Pin Assignments

M12 - Male

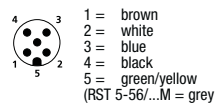
3 poles



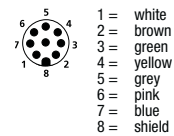
4 poles

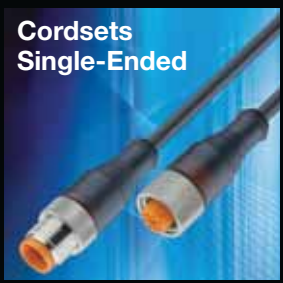


5 poles



8 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RST

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickelated and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 3–5 poles 4 A
8 poles 2 A
Nominal voltage 3–4 poles 240 V
5 poles 60 V
8 poles 30 V
Rated voltage 3–4 poles 250 V
5 poles 63 V
8 poles 36 V
Test voltage 3–4 poles 2.0 kV eff. / 60 s
5–8 poles 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
56	PVC	5 x 0.34 mm ²	Orange	.224" (5.7 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
228	PUR, halogen-free	5 x 0.50 mm ²	Black	.213" (5.4 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
259	PUR, halogen-free welding spark proof	5 x 0.50 mm ²	Orange	.217" (5.5 mm)
260	PUR, halogen-free welding spark proof	3 x 0.34 mm ²	Orange	.177" (4.5 mm)
282	PUR, halogen-free	7 x 0.25 mm ²	Black	.236" (6.0 mm)

Cordsets
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-06/...M	3	PVC	2 M / 5 M / 10 M	
RST 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RST 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 5-56/...M	5	PVC	2 M / 5 M / 10 M	
RST 5-228/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 5-259/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 8-282/...M	8	PUR, halogen-free	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

RST

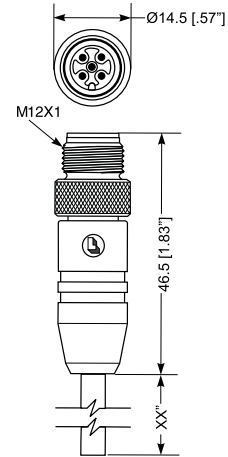


RST 8-627

3-, 4-, 5-, and 8-Poles

Actuator/sensor cordset, single-ended, M12,
3-, 4-, 5-, and 8-poles, male straight connector
with self-locking thread and molded cable.

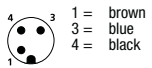
RST



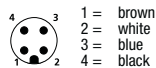
Pin Assignments

M12 - Male

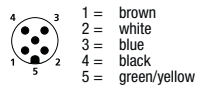
3 poles



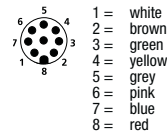
4 poles

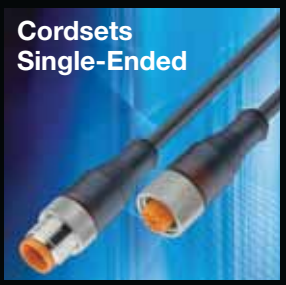


5 poles



8 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RST

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range PUR: -40°C (-40°F) / +80°C (176°F)
 PVC: -40°C (-40°F) / +90°C (194°F)
 TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body PUR, yellow
 RST 8-627: PUR, black
 Insert PUR, Yellow
 RST 8-627: PUR, orange
 Contact CuSn, gold over nickel-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM

Electrical

Current rating 4 A
 Voltage rating 250 V
 RST 8-627: 60 V AC / 75 V DC

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	PUR	18AWG	Yellow	.230" (5.9 mm)
610	PUR	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
627	PVC	24AWG	Black	.232" (5.9 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE	18AWG	Yellow	.280" (7.1 mm)
643	TPE	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
731	TPE	18AWG	Yellow	.284" (7.2 mm)

Cordsets
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-731/...M	3	TPE	2 M / 5 M / 10 M	
RST 3-632/...M		PVC		
RST 3-645/...M		PUR		
RST 3-610/...M		PUR		
RST 4-637/...M	4	TPE	2 M / 5 M / 10 M	
RST 4-633/...M		PVC		
RST 4-643/...M		TPE		
RST 4-602/...M		PUR		
RST 4-679/...M		PUR		
RST 5-612/...M		5		PVC
RST 5-644/...M	PUR			
RST 8-627/...M	8		PVC	2 M / 5 M / 10 M

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

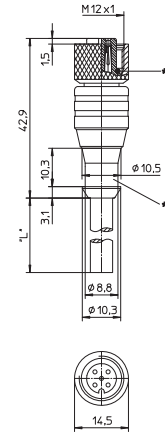
RKT | RKWT



3-, 4-, 5-, 8-, and 12-Poles

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with self-locking thread and molded cable.

RKT

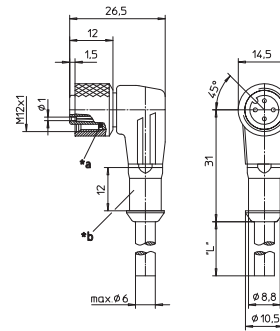


*a O-ring
* b Hose mounting



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with self-locking thread and molded cable.

RKT

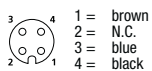


*a O-ring
* b Hose mounting

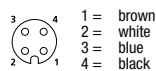
Pin Assignments

M12 - Male

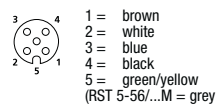
3 poles



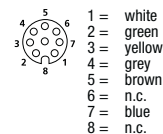
4 poles



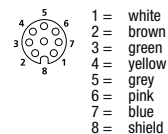
5 poles



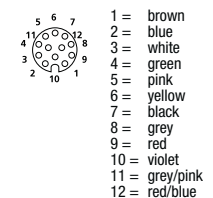
6 poles



8 poles



12 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RKT | RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn (12 poles: CuZn), pre-nickeled and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 3–5 poles 4 A, 6–12 poles 2 A
Rated voltage 3–4 poles 250 V
5 poles 63 V, 6–12 poles 36 V

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.25 mm ²	Orange	.197" (5.0 mm)

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
56	PVC	5 x 0.34 mm ²	Orange	.224" (5.7 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
228	PUR, halogen-free	5 x 0.50 mm ²	Black	.213" (5.4 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
259	PUR, halogen-free welding spark proof	5 x 0.50 mm ²	Orange	.217" (5.5 mm)
260	PUR, halogen-free welding spark proof	3 x 0.34 mm ²	Orange	.177" (4.5 mm)
268	PUR, halogen-free welding spark proof	6 x 0.34 mm ²	Orange	.236" (6.0 mm)
282	PUR, halogen-free	7 x 0.25 mm ²	Black	.236" (6.0 mm)
337	PUR, halogen-free	6 x 0.34 mm ²	Black	.236" (6.0 mm)
348	PUR, halogen-free	2 x 0.25 mm ² 10 x 0.14 mm ²	Black	.236" (6.0 mm)

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-06/...M	RKWT 4-3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKT 4-3-224/...M	RKWT 4-3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 4-3-260/...M	RKWT 4-3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 4-07/...M	RKWT 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RKT 4-225/...M	RKWT 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 4-251/...M	RKWT 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 5-56/...M	RKWT 5-56/...M	5	PVC	2 M / 5 M / 10 M	
RKT 5-228/...M	RKWT 5-228/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT 5-259/...M	RKWT 5-259/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-6-268/...M	RKWT 8-6-268/...M	6	PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-6-337/...M	RKWT 8-6-337/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKT 8-282/...M	RKWT 8-282/...M	8	PUR, halogen-free	2 M / 5 M / 10 M	
RKT 12-348/...M	RKWT 12-348/...M	12	PUR, halogen-free	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

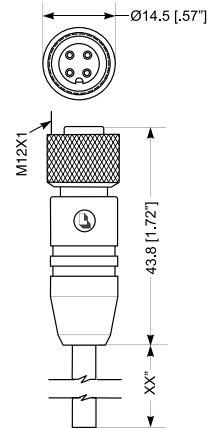
RKT | RKWT



3-, 4-, 5-, and 8-Poles

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, female straight connector with self-locking thread and molded cable.

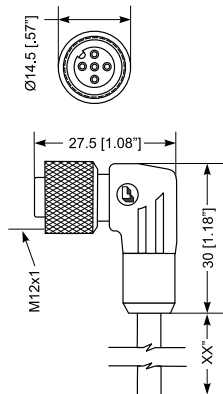
RKT



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, female 90° connector with self-locking thread and molded cable.

– RKWT 8-627 has black cable and overmolde –

RKWT



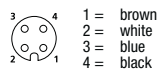
Pin Assignments

M12 - Male

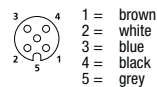
3 poles



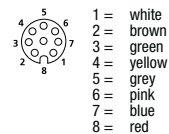
4 poles



5 poles



8 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

RKT | RKWT

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	PUR: -40°C (-40°F) / +80°C (176°F) PVC: -40°C (-40°F) / +90°C (194°F) TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body	TPU, yellow RST 8-627: PUR, black
Insert	TPU, Yellow RST 8-627: PUR, orange
Contact	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated
O-ring	FKM

Electrical

Current rating	4 A
Voltage rating	250 V RST 8-627: 60 V AC / 75 V DC

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	PUR	18AWG	Yellow	.230" (5.8 mm)
610	PUR	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
627	PVC	24AWG	Black	.232" (5.9 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE	18AWG	Yellow	.280" (7.1 mm)
643	TPE	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
731	TPE	18AWG	Yellow	.261" (6.6 mm)

Cordsets
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT 4-3-731/...M RKWT 4-3-731/...M	3	TPE	2 M / 5 M / 10 M	
RKT 4-3-632/...M RKWT 4-3-632/...M		PVC	2 M / 5 M / 10 M	
RKT 4-3-645/...M RKWT 4-3-645/...M		PUR	2 M / 5 M / 10 M	
RKT 4-3-610/...M RKWT 4-3-610/...M		PUR	2 M / 5 M / 10 M	
RKT 4-637/...M RKWT 4-637/...M	4	TPE	2 M / 5 M / 10 M	
RKT 4-633/...M RKWT 4-633/...M		PVC	2 M / 5 M / 10 M	
RKT 4-643/...M RKWT 4-643/...M		TPE	2 M / 5 M / 10 M	
RKT 4-602/...M RKWT 4-602/...M		PUR	2 M / 5 M / 10 M	
RKT 4-679/...M RKWT 4-679/...M		PUR	2 M / 5 M / 10 M	
RKT 5-612/...M RKWT 5-612/...M	5	PVC	2 M / 5 M / 10 M	
RKT 5-644/...M RKWT 5-644/...M		PUR	2 M / 5 M / 10 M	
RKT 8-627/...M RKWT 8-627/...M	8	PVC	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

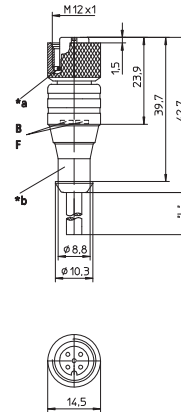
RKT/LED | RKWT/LED



3- and 4-Poles (LED)

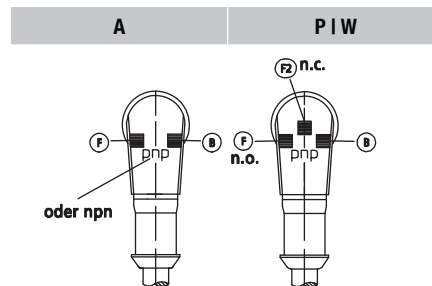
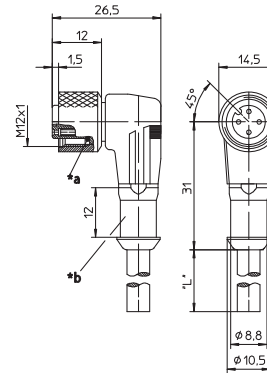
Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with LED operation and function indicator with self-locking thread and molded cable.

RKT/LED



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with LED operation and function indicator with self-locking thread and molded cable.

RKWT/LED

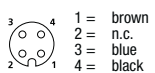


- *a O-Ring
- *b hose mounting
- B operation indicator green
- F function indicator yellow
- F2 function indicator yellow = P, white = W

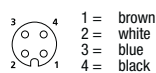
Pin Assignments

M12 - Male

3 poles

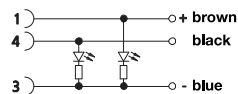


4 poles

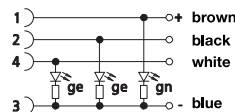


Wiring Diagrams

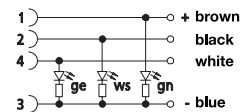
A npn normally open = yellow-green



P pnp normally closed/open = yellow-yellow-green



W pnp normally closed/open = yellow-white-green





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

RKT/LED | RKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU, translucent
 Insert TPU
 Contact CuSn (12 poles: CuZn), pre-nickeled and 0.3 microns gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 4 A
 Rated voltage 10-30 V DC
 Insulation resistance > 10⁹ Ω

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
260	PUR, halogen-free welding spark proof	3 x 0.34 mm ²	Orange	.177" (4.5 mm)
265	PUR, halogen-free	4 x 0.34 mm ²	Grey	.185" (4.7 mm)

Cordsets
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT/LED A 4-3-06/...M RKWT/LED A 4-3-06/...M	3	PVC	2 M / 5 M / 10 M	
RKT/LED A 4-3-224/...M RKWT/LED A 4-3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKT/LED A 4-3-260/...M RKWT/LED A 4-3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKWT/LED P 4-07/...M	4	PVC	2 M / 5 M / 10 M	
RKWT/LED P 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKWT/LED P 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RKWT/LED W 4-265/...M	4	PUR, halogen-free	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

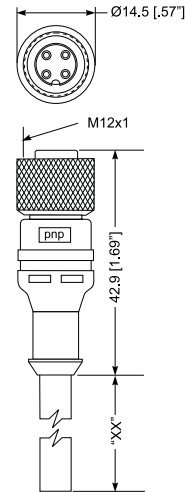
RKT/LED | RKWT/LED



3- and 4-Poles (LED)

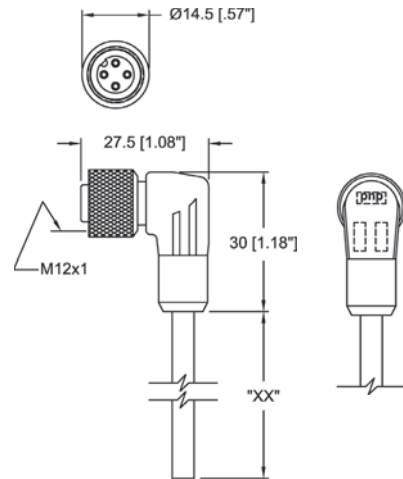
Actuator/sensor cordset, single-ended, M12, 3- and 4-poles, female straight connector with LED operation and function indicator with self-locking thread and molded cable.

RKT/LED



Actuator/sensor cordset, single-ended, M12, 3- and 4poles, female 90° connector with LED operation and function indicator with self-locking thread and molded cable.

RKWT/LED

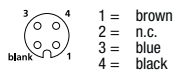


Pin Assignments

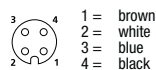
M12 - Male

Wiring Diagrams

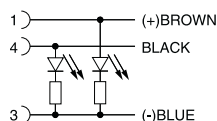
3 poles



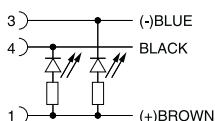
4 poles



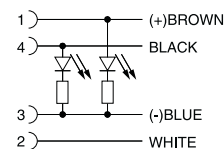
A pnp normally open = yellow-green



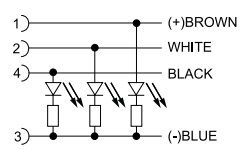
C npn normally open = yellow-green

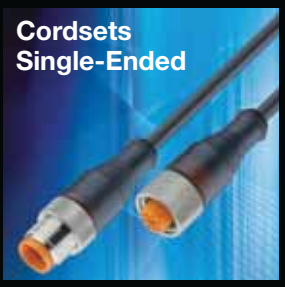


F pnp normally closed/open = yellow-green



P pnp normally closed/open = yellow-yellow-green





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RKT/LED | RKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Molded body TPU, translucent
Insert TPU
Contact CuSn, gold over nickel-plated
Coupling nut CuZn, nickel-plated
O-ring FKM

Electrical

Current rating 4 A
Voltage rating 10-30 V DC

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
610	PUR	22AWG	Yellow	.190" (4.8 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT/LED A 4-3-610/...M	3	PUR	1M / 2 M / 5 M / 10 M	
RKT/LED A 4-3-632/...M		PVC	1M / 2 M / 5 M / 10 M	
RKT/LED C 4-3-610/...M		PUR	1M / 2 M / 5 M / 10 M	
RKT/LED C 4-3-632/...M		PVC	1M / 2 M / 5 M / 10 M	
RKT/LED F 4-633/...M	4	PVC	1M / 2 M / 5 M / 10 M	
RKT/LED F 4-679/...M		PUR	1M / 2 M / 5 M / 10 M	
		RKWT/LED P 4-633/...M	1M / 2 M / 5 M / 10 M	
		RKWT/LED P 4-679/...M	1M / 2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

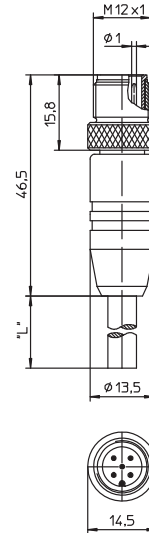
RSTS



4-, 5-, and 8-Poles (Shielded)

Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, male straight connector with threaded joint and molded cable, shielding connecting to knurled screw.

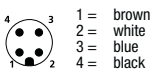
RSTS



Pin Assignments

M12 - Male

4 poles



- 1 = brown
- 2 = white
- 3 = blue
- 4 = black

5 poles

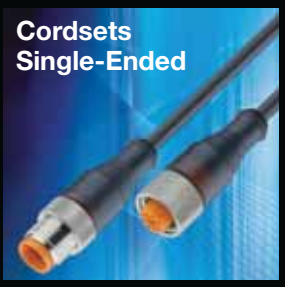


- 1 = brown
 - 2 = white
 - 3 = blue
 - 4 = black
 - 5 = grey
- contact 5 leading

8 poles



- 1 = white
- 2 = brown
- 3 = green
- 4 = yellow
- 5 = grey
- 6 = pink
- 7 = blue
- 8 = red



Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101
RSTS

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated
Shield sleeve CuZn, nickel-plated
O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4–5 poles 4 A
8 poles 2 A
Nominal voltage 4 poles 240 V
5 poles 60 V
8 poles 30 V
Rated voltage 4 poles 250 V
5 poles 63 V
8 poles 36 V
Test voltage 4 poles 2.0 kV eff. / 60 s
5–8 poles 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
182	PVC, shielded	4 x 0.34 mm ²	Orange	.217" (5.5 mm)
183	PVC, shielded	5 x 0.34 mm ²	Orange	.236" (6.0 mm)
184	PVC, shielded	8 x 0.25 mm ²	Orange	.260" (6.6 mm)
288	PUR, halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm ²	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm ²	Black	.260" (6.6 mm)

Cordsets
Single-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSTS 4-182/...M	4	PVC	2 M / 5 M / 10 M	
RSTS 4-288/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RSTS 5-183/...M	5	PVC	2 M / 5 M / 10 M	
RSTS 5-298/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RSTS 8-184/...M	8	PVC	2 M / 5 M / 10 M	
RSTS 8-299/...M		PUR, halogen-free	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

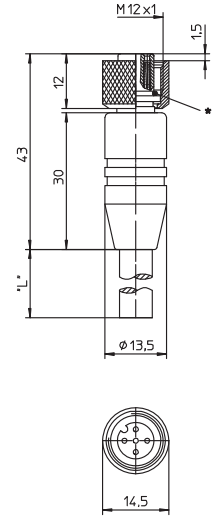
RKTS | RKWTH



4-, 5-, and 8-Poles (Shielded)

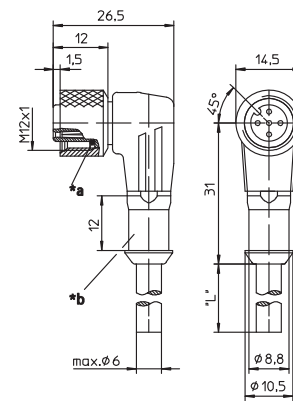
Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, female straight connector, internal threads with threaded joint and molded cable, shielding connecting to knurled nut.

RKTS



Actuator/sensor cordset, single-ended, M12, 4-, 5-, and 8-poles, female 90 °connector, internal threads with threaded joint and molded cable, shielding connecting to knurled nut.

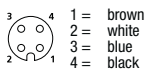
RKWTH



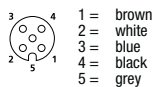
Pin Assignments

M12 - Male

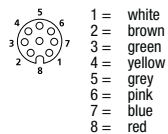
4 poles



5 poles



8 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 RKTS | RKWTH

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickelated and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated
Shield sleeve CuZn, nickel-plated
O-ring FKM

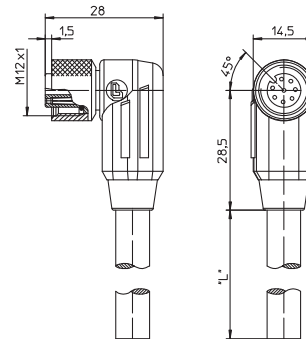
Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 4 poles 240 V
5 poles 60 V
8 poles 30 V
Rated voltage 3-4 poles 250 V
5 poles 63 V
8 poles 36 V
Test voltage 3-4 poles 2.0 kV eff. / 60 s
5-8 poles 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
182	PVC, shielded	4 x 0.34 mm ²	Orange	.217" (5.5 mm)
183	PVC, shielded	5 x 0.34 mm ²	Orange	.236" (6.0 mm)
184	PVC, shielded	8 x 0.25 mm ²	Orange	.260" (6.6 mm)
288	PUR, halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm ²	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm ²	Black	.260" (6.6 mm)

RKWTH (8-pole version)



Part Number	Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
Female Straight	Female 90°				
RKTS 4-182/...M	RKWTH 4-182/...M	4	PVC	2 M / 5 M / 10 M	
RKTS 4-288/...M	RKWTH 4-288/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKTS 5-183/...M		5	PVC	2 M / 5 M / 10 M	
RKTS 5-298/...M	RKWTH 5-298/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKTS 8-184/...M		8	PVC	2 M / 5 M / 10 M	
RKTS 8-299/...M	RKWTH 8-299/...M		PUR, halogen-free	2 M / 5 M / 10 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

PRST

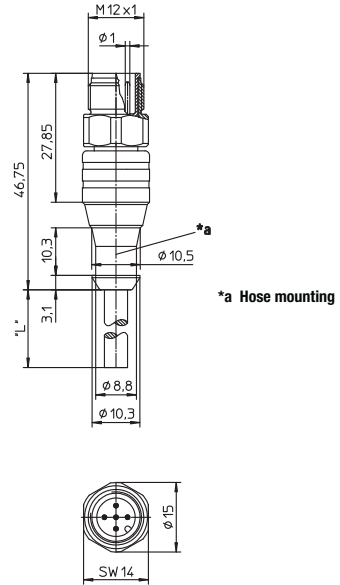


4-Poles (Stainless Steel)

Actuator/sensor cordset, single-ended, M12, 4-poles, male straight connector with threaded joint and molded cable, hexagon screw in stainless steel.

— especially designed for use in food processing equipment applications —

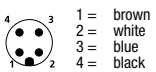
PRST



Pin Assignments

M12 - Male

4 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101 PRST

Technical Data

Environmental

Degree of protection IP 67 / IP 69K / NEMA 6P
 Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical

Housing / Molded body TPU
 Insert TPU
 Contact CuSn, pre-nickel and 0.3 microns gold-plated
 Coupling nut stainless steel

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
 Nominal current at 40°C 4 A
 Nominal voltage 240 V
 Rated voltage 250 V
 Test voltage 2.0 kV eff. / 60 s
 Insulation resistance $> 10^9 \Omega$
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
PRST 4-07/...M	4	PVC	5 M / 10 M / 25 M	  

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

PRKT | PRKWT



4- and 5-Poles (Stainless Steel)

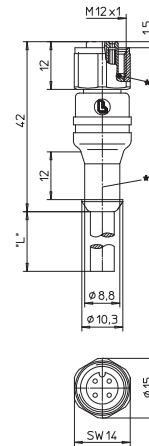
Actuator/sensor cordset, single-ended, M12, 4- and 5-poles, female straight connector, internal threads with threaded joint and molded cable, hexagon screw in stainless steel.

– especially designed for use in food processing equipment applications –

Actuator/sensor cordset, single-ended, M12, 4- and 5-poles, female 90° connector, internal threads with threaded joint and molded cable, hexagon screw in stainless steel.

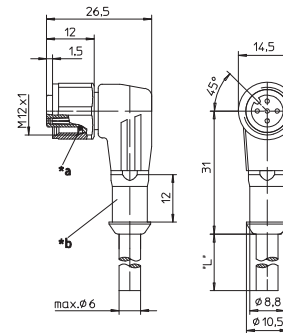
– especially designed for use in food processing equipment applications –

PRKT



*a O-ring
b Hose mounting

PRKWT

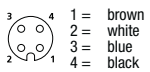


*a O-ring
b Hose mounting

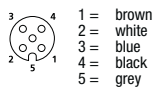
Pin Assignments

M12 - Male

4 poles



5 poles





Be Certain with Belden

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101
PRKT | PRKWT

Technical Data

Environmental

Degree of protection IP 67 / 69K / NEMA 6P
Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.3 microns gold-plated
Coupling nut stainless steel

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 4 poles 240 V
5 poles 60 V
Rated voltage 4 poles 250 V
5 poles 63 V
Test voltage 4 poles 2.0 kV eff. / 60 s
5 poles 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
56	PVC	5 x 0.34 mm ²	Orange	.224" (5.7 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
PRKT 4-07/...M	4	PVC	5 M / 10 M / 25 M	
PRKT 5-56/...M	5	PVC	5 M / 10 M / 25 M	

**M12-Round-Plug Connector, Single-Ended Cordsets,
According to IEC 61076-2-101**

PRKWT/LED

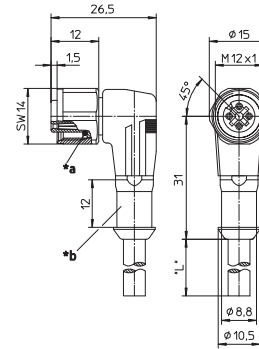


4-Poles (Stainless Steel / LED)

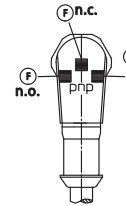
Actuator/sensor cordset, single-ended, M12, 4-poles, female 90° connector, with LED operation and function indicator, self locking threaded joint and molded cable, hexagon screw in stainless steel.

– especially designed for use in food processing equipment applications –

PRKWT/LED



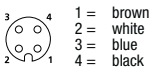
*a O-ring
b Hose mounting



Pin Assignments

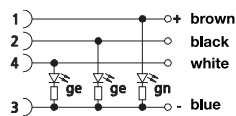
M12 - Male

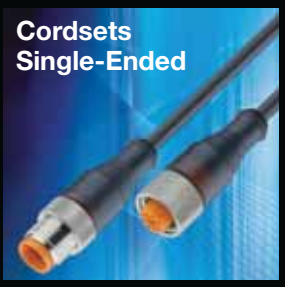
4 poles



Wiring Diagrams

P pnp normally closed/open = yellow-yellow-green





Be Certain with Belden

**M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101
PRKWT/LED**

Technical Data

Environmental

Degree of protection IP 67 / 69K / NEMA 6P
Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.3 microns gold-plated
Coupling nut stainless steel
O-ring EPDM

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C 4 A
Nominal voltage 10–30 V DC
Rated voltage 32 V
Insulation resistance $> 10^9 \Omega$
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
PRKWT/LED P 4-07/...M	4	PVC	5 M / 10 M / 25 M	  

M 1/2"-20-Round-Plug Connector, Single-Ended Cordsets

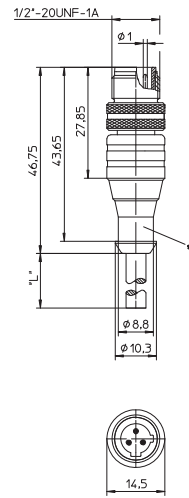
RST 3U | RKT 3U



3-Poles

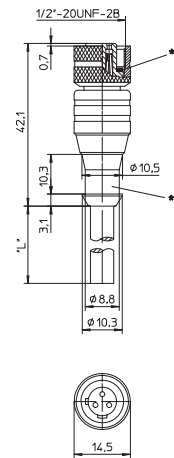
Actuator/sensor cordsets, single ended, 1/2" UNF, 3-poles, C-coding male straight connector, external threads with threaded joint and molded cable, IEC color code.

RST 3U



Actuator/sensor cordsets, single ended, 1/2" UNF, 3-poles, C-coding female straight connector, external threads with threaded joint and molded cable, IEC color code.

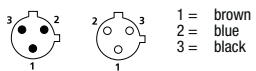
RKT 3U

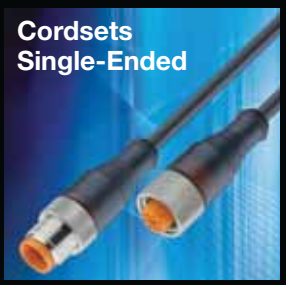


Pin Assignments

1/2"-20 - Male / Female

3 poles





Be Certain with Belden

M 1/2"-20-Round-Plug Connector, Single-Ended Cordsets
RST 3U | RKT 3U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C 4 A
Nominal voltage 240 V
Rated voltage 250 V
Test voltage 2.0 kV eff. / 60 s
Insulation resistance $> 10^9 \Omega$
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
226	PUR, halogen-free	3 x 0.50mm ²	Black	.181" (4.6 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3U-226/...M RKT 3U-226/...M	3	PUR, halogen-free	5 M	

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code

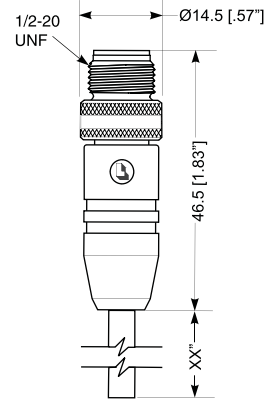
RST...U | RKT...U



3, 4-, and 5-Poles

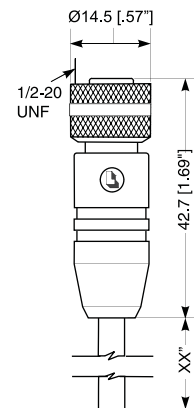
1/2"-20 actuator/sensor cordsets, single-ended, 3-, 4- and 5-Poles, male straight connector, external threads, dual keyway, 18 and 22 gauge, Automotive color code.

RST 5U



1/2"-20 actuator/sensor cordsets, single-ended, 3-, 4- and 5-Poles, female straight connector, external threads, dual keyway, 18 and 22 gauge, Automotive color code.

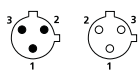
RKT 5U



Pin Assignments

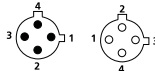
1/2"-20 - Male / Female

3 poles



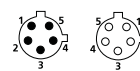
1 = green
2 = red/black
3 = red/white

4 poles



1 = red/black
2 = red/white
3 = red
4 = green

5 poles



1 = red/white tr.
2 = red
3 = green
4 = red/yel tr.
5 = red/blk tr.



Be Certain with Belden

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code RST ...U | RKT ...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU, yellow
 Insert TPU, yellow
 Contact CuZn, gold over nickel plated
 Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
 Voltage rating 250 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
688	PVC	18AWG	3 x 0.75mm ²	Yellow	.290" (7.4 mm)
689	PVC	18AWG	4 x 0.75mm ²	Yellow	.290" (7.4 mm)
755	TPE	18AWG	5 x 0.75mm ²	Yellow	.333" (8.5 mm)
618	PVC	22AWG	3 x 0.34mm ²	Yellow	.180" (4.6 mm)
674	PVC	22AWG	4 x 0.34mm ²	Yellow	.190" (4.8 mm)
673	PVC	22AWG	5 x 0.34mm ²	Yellow	.210" (5.3 mm)
664	PUR	22AWG	3 x 0.34mm ²	Yellow	.190" (4.8 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3U-688/...F RKT 3U-688/...F	3	PVC	6 F / 12 F / 15 F / 20 F	
RST 4U-689/...F RKT 4U-689/...F	4	PVC	6 F / 12 F / 15 F / 20 F	
RST 5U-755/...F RKT 5U-755/...F	5	TPE	6 F / 12 F / 15 F / 20 F	
RST 3U-618/...F RKT 3U-618/...F	3	PVC	6 F / 12 F / 15 F / 20 F	
RST 4U-674/...F RKT 4U-674/...F	4	PVC	6 F / 12 F / 15 F / 20 F	
RST 5U-673/...F RKT 5U-673/...F	5	PVC	6 F / 12 F / 15 F / 20 F	
RST 3U-664/...F RKT 3U-664/...F	3	PUR	6 F / 12 F / 15 F / 20 F	

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code

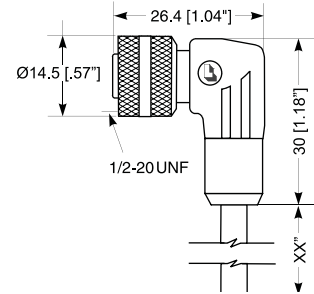
RKWT...U



3, 4-, and 5-Poles

1/2"-20 actuator/sensor cordsets, single-ended, 3-, 4- and 5-Poles, female 90° connector, external threads, dual keyway, 18 and 22 gauge, Automotive color code.

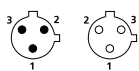
RKWT 5U



Pin Assignments

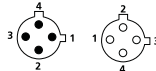
1/2"-20 - Male / Female

3 poles



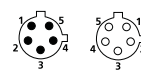
1 = green
2 = red/black
3 = red/white

4 poles



1 = red/black
2 = red/white
3 = red
4 = green

5 poles



1 = red/white tr.
2 = red
3 = green
4 = red/yel tr.
5 = red/blk tr.



Be Certain with Belden

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code RST ...U | RKT ...U | RKWT ...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over nickel plated
Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
Voltage rating 250 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
688	PVC	18AWG	3 x 0.75mm ²	Yellow	.290" (7.4 mm)
689	PVC	18AWG	4 x 0.75mm ²	Yellow	.290" (7.4 mm)
755	TPE	18AWG	5 x 0.75mm ²	Yellow	.333" (8.5 mm)
618	PVC	22AWG	3 x 0.34mm ²	Yellow	.180" (4.6 mm)
674	PVC	22AWG	4 x 0.34mm ²	Yellow	.190" (4.8 mm)
673	PVC	22AWG	5 x 0.34mm ²	Yellow	.210" (5.3 mm)
664	PUR	22AWG	3 x 0.34mm ²	Yellow	.190" (4.8 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKWT 3U-688/...F	3	PVC	6 F / 12 F / 15 F / 20 F	
RKWT 4U-689/...F	4	PVC	6 F / 12 F / 15 F / 20 F	
RKWT 5U-755/...F	5	TPE	6 F / 12 F / 15 F / 20 F	
RKWT 3U-618/...F	3	PVC	6 F / 12 F / 15 F / 20 F	
RKWT 4U-674/...F	4	PVC	6 F / 12 F / 15 F / 20 F	
RKWT 5U-673/...F	5	PVC	6 F / 12 F / 15 F / 20 F	
RKWT 3U-664/...F	3	PUR	6 F / 12 F / 15 F / 20 F	

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, US Color Code

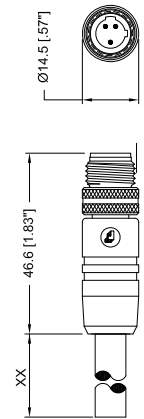
RST...U | RKT...U



3-Poles

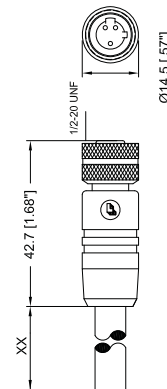
1/2"-20 actuator/sensor-cordsets, single ended, 3-poles, male straight connector, external threads, dual keyway, 18 gauge, US color code.

RST 3U



1/2"-20 actuator/sensor-cordsets, single ended, 3-poles, female straight connector, internal threads, dual keyway, 18 gauge, US color code.

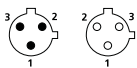
RKT 3U



Pin Assignments

1/2"-20 - Male / Female

3 poles



1 = green
2 = black
3 = white



Be Certain with Belden

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RST ...U | RKT ...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical




Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over nickel plated
Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
Voltage rating 250 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
619	CPE	18AWG	3 x 0.75mm ²	Yellow	.370" (9.4 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3U-619/...F RKT 3U-619/...F	3	CPE	6 F / 12 F / 15 F / 20 F	  

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, US Color Code

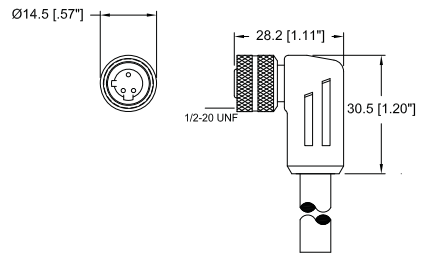
RKWT...U



3-Poles

1/2"-20 actuator/sensor-cordsets, single ended, 3-poles, female 90° connector, internal threads, dual keyway, 18 gauge, US color code.

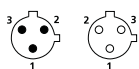
RKWT 3U



Pin Assignments

1/2"-20 - Male / Female

3 poles



1 = green
2 = black
3 = white



Be Certain with Belden

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RKWT ...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over nickel plated
Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
Voltage rating 250 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
619	CPE	18AWG	3 x 0.75mm ²	Yellow	.370" (9.4 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKWT 3U-619/...F	3	PVC	6 F / 12 F / 15 F / 20 F	  

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

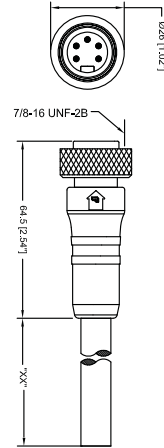
RS 201...601A | RK 20...60A



2-, 3-, 4-, 5-, and 6-Poles

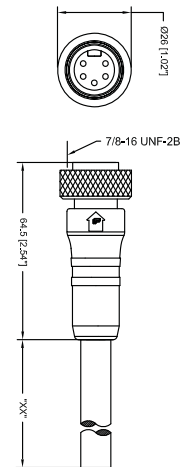
Mini, 7/8" single-ended cordsets, male straight, 2-, 3-, 4-, 5-, and 6-poles with internal threads and molded cable, US color code.

RS



Mini, 7/8" single-ended cordsets, female straight, 2-, 3-, 4-, 5-, and 6-poles with internal threads and molded cable, US color code.

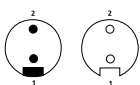
RK



Pin Assignments

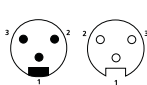
Mini, 7/8" - Male / Female

2 poles



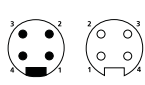
1 = white
2 = black

3 poles



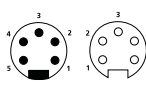
1 = green
2 = black
3 = white

4 poles



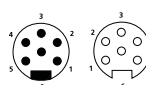
1 = black
2 = white
3 = red
4 = green

5 poles

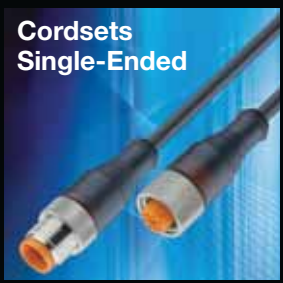


1 = white
2 = red
3 = green
4 = orange
5 = black

6 poles



1 = white
2 = red
3 = green
4 = orange
5 = black
6 = blue



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code RS 201...601A | RK 20...60A

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2 pole: 12 A
3-6 pole: 8 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
678	PVC	16AWG	Yellow	.375" (9.5 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: ST0
619	CPE	18AWG	Yellow	.370" (9.4 mm)	-40°C (-40°F) to +90°C (194°F)	UL: S00W / CSA: S0W
738	TPE	16AWG	Yellow	.390" (9.9 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
739	TPE	16AWG	Yellow	.415" (10.5 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
777	TPE	16AWG	Yellow	.495" (12.6 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
697	PVC	18AWG	Yellow	.502" (12.8 mm)	-40°C (-40°F) to +105°C (221°F)	UL: ST0W / CSA: ST00

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 201-678/...F RK 20-678/...F	2	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RS 301-619/...F RK 30-619/...F	3	CPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 301-738/...F RK 30-738/...F		TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 401-739/...F RK 40-739/...F	4	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 501-777/...F RK 50-777/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 601A-697/...F RK 60A-697/...F	6	PVC	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

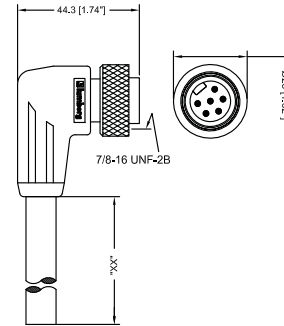
RSW 201...601A | RKW 20...60A



2-, 3-, 4-, 5-, and 6-Poles

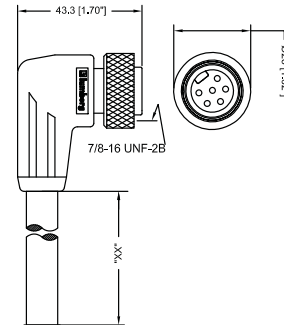
Mini, 7/8" single-ended cordsets, male 90°, 2-, 3-, 4-, 5-, and 6-poles with internal threads and molded cable, US color code.

RSW



Mini, 7/8" single-ended cordsets, female 90°, 2-, 3-, 4-, 5-, and 6-poles with internal threads and molded cable, US color code.

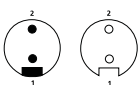
RKW



Pin Assignments

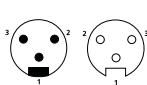
Mini, 7/8" - Male / Female

2 poles



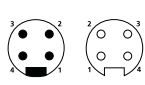
1 = white
2 = black

3 poles



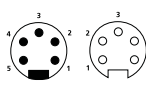
1 = green
2 = black
3 = white

4 poles



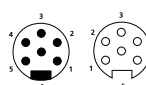
1 = black
2 = white
3 = red
4 = green

5 poles



1 = white
2 = red
3 = green
4 = orange
5 = black

6 poles



1 = white
2 = red
3 = green
4 = orange
5 = black
6 = blue



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code RSW 201...601A | RKW 20...60A

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2 pole: 12 A
3-6 pole: 8 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
678	PVC	16AWG	Yellow	.375" (9.5 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: ST0
619	CPE	18AWG	Yellow	.370" (9.4 mm)	-40°C (-40°F) to +90°C (194°F)	UL: S00W / CSA: S0W
738	TPE	16AWG	Yellow	.390" (9.9 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
739	TPE	16AWG	Yellow	.415" (10.5 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
777	TPE	16AWG	Yellow	.495" (12.6 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
697	PVC	18AWG	Yellow	.502" (12.8 mm)	-40°C (-40°F) to +105°C (221°F)	UL: ST0W / CSA: ST00

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSW 201-678/...F RKW 20-678/...F	2	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 301-619/...F RKW 30-619/...F	3	CPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 301-738/...F RKW 30-738/...F		TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 401-739/...F RKW 40-739/...F	4	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 501-777/...F RKW 50-777/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 601A-697/...F RKW 60A-697/...F	6	PVC	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code

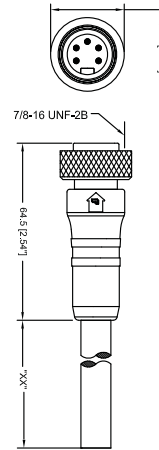
RS 301...501 | RK 30...50



3- and 5-Poles

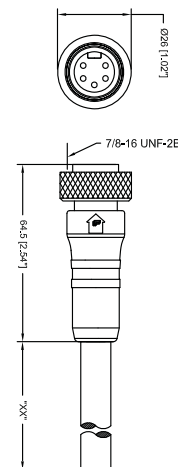
Mini, 7/8" single-ended cordsets, male straight, 3- and 5-poles with internal threads and molded cable, US color code.

RS



Mini, 7/8" single-ended cordsets, female straight, 3- and 5-poles with internal threads and molded cable, US color code.

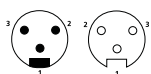
RK



Pin Assignments

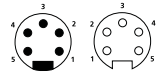
Mini, 7/8" - Male / Female

3 poles



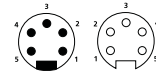
- 1 = green
- 2 = red w/black tr.
- 3 = red w/white tr.

5 poles (742)



- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/orange tr.
- 5 = red w/black tr.

5 poles (755)



- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/yellow tr.
- 5 = red w/black tr.



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code
RS 301...501 | RK 30...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical













Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 741/742: 8 A
755: 5.6 A
Voltage rating 741/742: 600 V
755: 300 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
741	TPE	16AWG	Yellow	.390" (9.9 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
742	TPE	16AWG	Yellow	.495" (12.6 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
755	TPE	18AWG	Yellow	.333" (8.5 mm)	-40°C (-40°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II, A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 301-741/...F RK 30-741/...F	3	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RS 501-742/...F RK 50-742/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RS 501-755/...F RK 50-755/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code

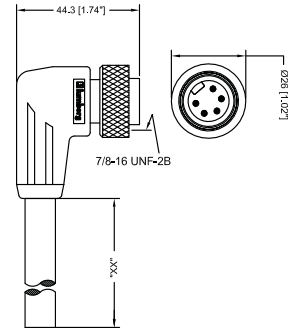
RSW 301...501 | RKW 30...50



3- and 5-Poles

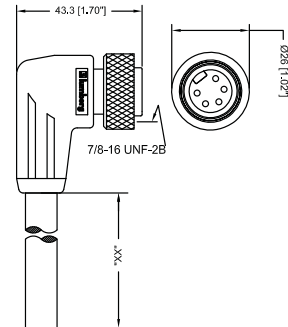
Mini, 7/8" single-ended cordsets, male 90°, 3- and 5-poles with internal threads and molded cable, US color code.

RSW



Mini, 7/8" single-ended cordsets, female 90°, 3- and 5-poles with internal threads and molded cable, US color code.

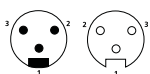
RKW



Pin Assignments

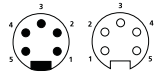
Mini, 7/8" - Male / Female

3 poles



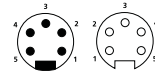
- 1 = green
- 2 = red w/black tr.
- 3 = red w/white tr.

5 poles (742)



- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/orange tr.
- 5 = red w/black tr.

5 poles (755)



- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/yellow tr.
- 5 = red w/black tr.



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code
RSW 301...501 | RKW 30...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical













Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 741/742: 8 A
755: 5.6 A
Voltage rating 741/742: 600 V
755: 300 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
741	TPE	16AWG	Yellow	.390" (9.9 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
742	TPE	16AWG	Yellow	.495" (12.6 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
755	TPE	18AWG	Yellow	.333" (8.5 mm)	-40°C (-40°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II, A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSW 301-741/...F RKW 30-741/...F	3	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RSW 501-742/...F RKW 50-742/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RSW 501-755/...F RKW 50-755/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code

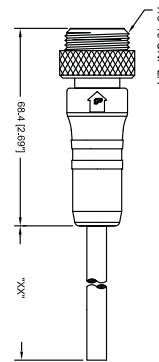
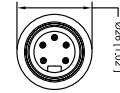
RS 20...50 | RK 20...50



2-, 3-, 4-, and 5-Poles

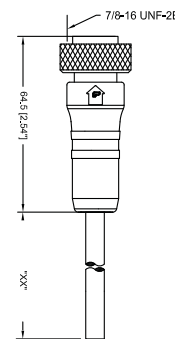
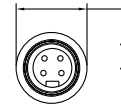
Mini, 7/8" single-ended cordsets, male straight, 2-, 3-, 4-, and 5-poles with external threads and molded cable, IEC color code.

RS



Mini, 7/8" single-ended cordsets, female straight, 2-, 3-, 4-, and 5-poles with internal threads and molded cable, IEC color code.

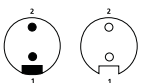
RK



Pin Assignments

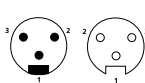
Mini, 7/8" - Male / Female

2 poles



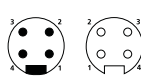
1 = brown
2 = blue

3 poles



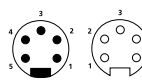
1 = green
2 = brown
3 = blue

4 poles



1 = black
2 = blue
3 = brown
4 = white

5 poles



1 = black
2 = blue
3 = yellow w/green tr.
4 = brown
5 = white



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code RS 20...50 | RK 20...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2-3 pole: 8 A
4-5 pole: 5.6 A
Voltage rating 300 V

Cable Specifications - IEC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
603	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B
731	TPE	18AWG	Yellow	.284" (7.2 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B
645	PUR	18AWG	Yellow	.220" (5.6 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
637	TPE	18AWG	Yellow	.280" (7.1 mm)	-25°C (-40°F) to +105°C (221°F)	UL: PLTC / CSA: AWM I/II A/B
602	PUR	18AWG	Yellow	.230" (5.8 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
794	TPE	18AWG	Yellow	.304" (7.7 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 20-603/...M RK 20-603/...M	2	PVC	2 M / 5 M / 10 M	
RS 30-731/...F RK 30-731/...F	3	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 30-645/...M RK 30-645/...M		PUR	2 M / 5 M / 10 M	
RS 40-637/...F RK 40-637/...F	4	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RS 40-602/...M RK 40-602/...M		PUR	2 M / 5 M / 10 M	
RS 50-794/...F RK 50-794/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code

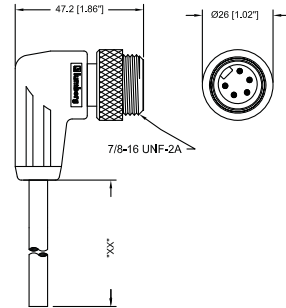
RSW 20...50 | RKW 20...50



2-, 3-, 4-, and 5-Poles

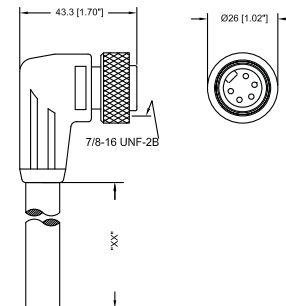
Mini, 7/8" single-ended cordsets, male 90°, 2-, 3-, 4-, and 5-poles with external threads and molded cable, IEC color code.

RSW



Mini, 7/8" single-ended cordsets, female 90°, 2-, 3-, 4-, and 5-poles with internal threads and molded cable, IEC color code.

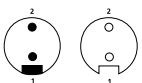
RKW



Pin Assignments

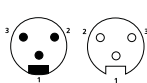
Mini, 7/8" - Male / Female

2 poles



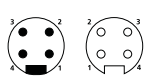
1 = brown
2 = blue

3 poles



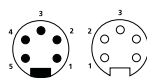
1 = green
2 = brown
3 = blue

4 poles



1 = black
2 = blue
3 = brown
4 = white

5 poles



1 = black
2 = blue
3 = yellow w/green tr.
4 = brown
5 = white



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code RSW 20...50 | RKW 20...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2-3 pole: 8 A
4-5 pole: 5.6 A
Voltage rating 300 V

Cable Specifications - IEC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
603	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B
731	TPE	18AWG	Yellow	.284" (7.2 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B
645	PUR	18AWG	Yellow	.220" (5.6 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
637	TPE	18AWG	Yellow	.280" (7.1 mm)	-25°C (-40°F) to +105°C (221°F)	UL: PLTC / CSA: AWM I/II A/B
602	PUR	18AWG	Yellow	.230" (5.8 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
794	TPE	18AWG	Yellow	.304" (7.7 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSW 20-603/...M RKW 20-603/...M	2	PVC	2 M / 5 M / 10 M	
RSW 30-731/...F RKW 30-731/...F	3	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 30-645/...M RKW 30-645/...M		PUR	2 M / 5 M / 10 M	
RSW 40-637/...F RKW 40-637/...F	4	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSW 40-602/...M RKW 40-602/...M		PUR	2 M / 5 M / 10 M	
RSW 50-794/...F RKW 50-794/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, EURO AC Color Code

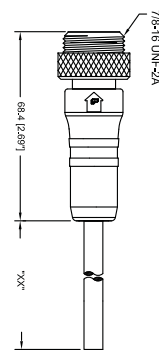
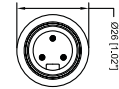
RS 30 | RK 30



3-Poles

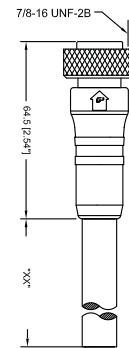
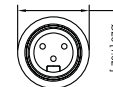
Mini, 7/8" single-ended cordsets, male straight, 3-poles with external threads and molded cable, EURO AC color code.

RS



Mini, 7/8" single-ended cordsets, female straight, 3-poles with internal threads and molded cable, EURO AC color code.

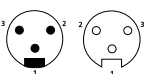
RK



Pin Assignments

Mini, 7/8" - Male / Female

3 poles



- 1 = yellow/green
- 2 = brown
- 3 = blue



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, EURO AC Color Code
RS 30 | RK 30

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 8 A
Voltage rating 300 V

Cable Specifications - EURO AC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
601	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 30-601/...M RK 30-60/...M	3	PVC	2 M / 5 M / 10 M	  

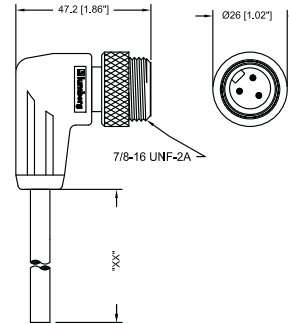
Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, EURO AC Color Code

RSW 30 | RKW 30

3-Poles

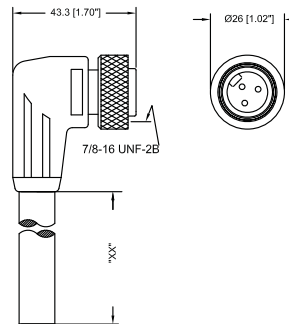
Mini, 7/8" single-ended cordsets, male 90°, 3-poles with external threads and molded cable, EURO AC color code.

RSW



Mini, 7/8" single-ended cordsets, female 90°, 3-poles with internal threads and molded cable, EURO AC color code.

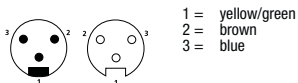
RKW



Pin Assignments

Mini, 7/8" - Male / Female

3 poles





Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Single-Ended Cordsets, EURO AC Color Code
RSW 30 | RKW 30

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical


Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 8 A
Voltage rating 300 V

Cable Specifications - EURO AC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
601	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSW 30-601/...M RKW 30-601/...M	3	PVC	2 M / 5 M / 10 M	  

Mini, 1"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

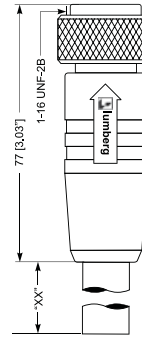
RS 601B...801M | RK 60B...80M



6-, 7-, and 8-Poles

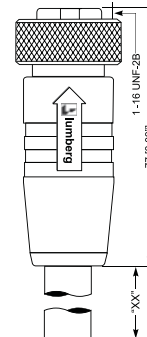
Mini, 1" single-ended cordsets, male straight, 6-, 7-, and 8-poles with internal threads and molded PVC cable, US color code.

RS



Mini, 1" single-ended cordsets, female straight, 6-, 7-, and 8-poles with internal threads and molded PVC cable, US color code.

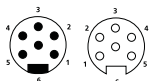
RK



Pin Assignments

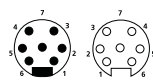
Mini, 1" - Male / Female

6 poles



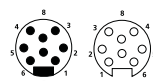
- 1 = orange
- 2 = blue
- 3 = black
- 4 = white
- 5 = red
- 6 = green

7 poles



- 1 = white/black
- 2 = black
- 3 = white
- 4 = red
- 5 = orange
- 6 = blue
- 7 = green

8 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = black
- 5 = white
- 6 = red
- 7 = green
- 8 = red/black



Be Certain with Belden

Mini, 1”-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RS 601B...801M | RK 60B...80M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 6 and 7 pole: 8 A
8 pole: 7 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
696	PVC	16AWG	Yellow	.560" (14.2 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO
622	PVC	16AWG	Yellow	.560" (14.2 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO
698	PVC	16AWG	Yellow	.585" (14.9 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 601B-696/...F RK 60B-696/...F	6	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RS 701M-622/...F RK 70M-622/...F	7	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RS 801M-698/...F RK 80M-698/...F	8	PVC	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 1"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

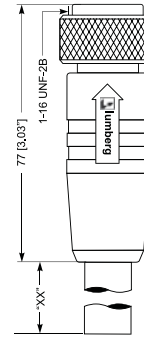
RS 701M...801M | RK 70M...80M



7-, and 8-Poles

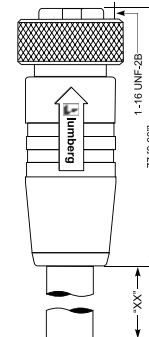
Mini, 1" single-ended cordsets, male straight, 7-, and 8-poles with internal threads and molded PUR cable, US color code.

RS



Mini, 1" single-ended cordsets, female straight, 7-, and 8-poles with internal threads and molded PUR cable, US color code.

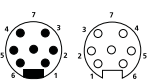
RK



Pin Assignments

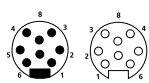
Mini, 1" - Male / Female

7 poles



- 1 = white/black
- 2 = black
- 3 = white
- 4 = red
- 5 = orange
- 6 = blue
- 7 = green

8 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = black
- 5 = white
- 6 = red
- 7 = green
- 8 = red/black



Be Certain with Belden

Mini, 1”-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RS 701M...801M | RK 70M...80M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 7 pole: 8 A
8 pole: 7 A
Voltage rating 300 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
649	PUR	18AWG	Yellow	.270" (6.9 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
650	PUR	18AWG	Yellow	.292" (7.4 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 701M-649/...F RK 70M-649/...F	7	PUR	6 F / 12 F / 15 F / 20 F / 30 F	
RS 801M-650/...F RK 80M-650/...F	8	PUR	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

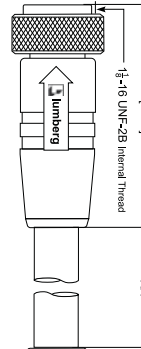
RS 901M...1201M | RK 90M...120M



9-, 10-, and 12-Poles

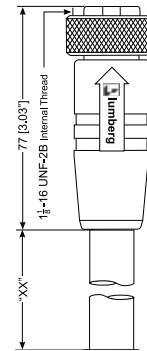
Mini, 1 1/8" single-ended cordsets, male straight, 9-, 10-, and 12-poles with internal threads and molded PUR cable, US color code.

RS



Mini, 1 1/8" single-ended cordsets, female straight, 9-, 10-, and 12-poles with internal threads and molded PUR cable, US color code.

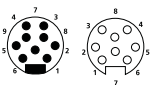
RK



Pin Assignments

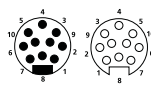
Mini, 1 1/8" - Male / Female

9 poles



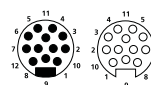
- 1 = orange
- 2 = blue
- 3 = red/black
- 4 = green/black
- 5 = white
- 6 = red
- 7 = green
- 8 = white/black
- 9 = black

10 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = red
- 8 = green
- 9 = black
- 10 = white

12 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = blue/black
- 8 = black/white
- 9 = green
- 10 = red
- 11 = white
- 12 = black



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RS 901M...1201M | RK 90M...120M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 9-10 pole: 7 A
12 pole: 5 A
Voltage rating 300 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
651	PUR	18AWG	Yellow	.313" (8.0 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
652	PUR	18AWG	Yellow	.340" (8.6 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
654	PUR	18AWG	Yellow	.354" (9.0 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 901M-651/...F RK 90M-651/...F	9	PUR	6 F / 12 F / 15 F / 20 F / 30 F	
RS 1001M-652/...F RK 100M-652/...F	10	PUR	6 F / 12 F / 15 F / 20 F / 30 F	
RS 1201M-654/...F RK 120M-654/...F	12	PUR	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code

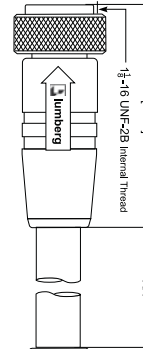
RS 901M...1201M | RK 90M...120M



9-, 10- and 12-Poles

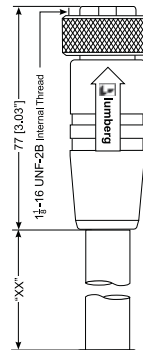
Mini, 1 1/8" single-ended cordsets, male straight, 9-, 10-, 12-poles with internal threads and molded PVC or TPE cable, US color code.

RS



Mini, 1 1/8" single-ended cordsets, female straight, 9-, 10-, 12-poles with internal threads and molded PVC or TPE cable, US color code.

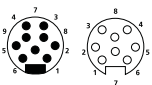
RK



Pin Assignments

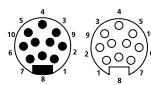
Mini, 1 1/8" - Male / Female

9 poles



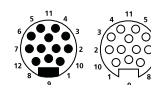
- 1 = orange
- 2 = blue
- 3 = red/black
- 4 = green/black
- 5 = white
- 6 = red
- 7 = green
- 8 = white/black
- 9 = black

10 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = red
- 8 = green
- 9 = black
- 10 = white

12 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = blue/black
- 8 = black/white
- 9 = green
- 10 = red
- 11 = white
- 12 = black



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, US Color Code
RS 901M...1201M | RK 90M...120M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 9-10 pole: 7 A
12 pole: 5 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
623	PVC	16AWG	Yellow	.660" (16.8 mm)	-40°C (-40°F) to +90°C (194°F)	UL: STOW / CSA: AWM I/II A/B
699	PVC	16AWG	Yellow	.660" (16.8 mm)	-40°C (-40°F) to +90°C (194°F)	UL: STOW / CSA: AWM I/II A/B
724	TPE	16AWG	Yellow	.690" (17.5 mm)	-50°C (-58°F) to +90°C (194°F)	UL: SE00W / CSA: STOW

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 901M-623/...F RK 90M-623/...F	9	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RS 1001M-699/...F RK 100M-699/...F	10	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RS 1201M-724/...F RK 120M-724/...F	12	TPE	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code

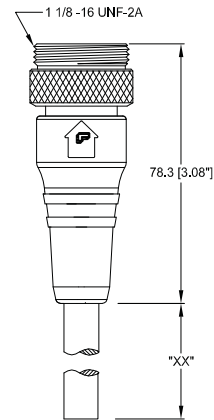
RS 1201M | RK 120M



12-Poles

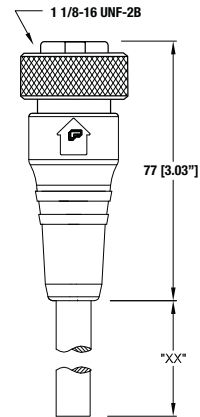
Mini, 1 1/8" single-ended cordsets, male straight, 12-poles with external threads, molded TPE cable, IEC color code.

RS



Mini, 1 1/8" single-ended cordsets, female straight, 12 -poles with internal threads, molded TPE cable, IEC color code.

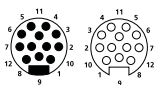
RK



Pin Assignments

Mini, 1 1/8" - Male / Female

12 poles



- 1 = black
- 2 = red
- 3 = pink
- 4 = grey
- 5 = yellow
- 6 = green
- 7 = white
- 8 = violet
- 9 = green/yellow
- 10 = blue
- 11 = n.c.
- 12 = brown



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, IEC Color Code
RS 1201M | RK 120M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical





Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 5 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
728	TPE	18AWG	Yellow	.596" (15.1 mm)	-50°C (-58°F) to +90°C (194°F)	UL: SE00W / CSA: ST00W

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 1201M-728/...F RK 120M-728/...F	12	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, Numeric Color Code

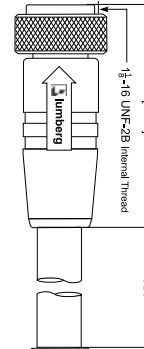
RS 1201M...1901M | RK 120M...190M



12- and 19-Poles

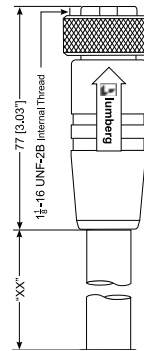
Mini, 1 1/8" single-ended cordsets, male straight, 12- and 19-poles with internal threads and molded PUR cable, Numeric color code.

RS



Mini, 1 1/8" single-ended cordsets, female straight, 12- and 19-poles with internal threads and molded PUR cable, Numeric color code.

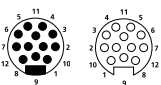
RK



Pin Assignments

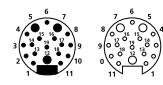
Mini, 1 1/8" - Male / Female

12 poles



- 1 = black w/ number "1"
- 2 = black w/ number "2"
- 3 = black w/ number "3"
- 4 = black w/ number "4"
- 5 = black w/ number "5"
- 6 = black w/ number "6"
- 7 = black w/ number "7"
- 8 = black w/ number "8"
- 9 = green w/yellow tracer
- 10 = black w/ number "10"
- 11 = black w/ number "11"
- 12 = black w/ number "12"

19 poles



- 1 = black w/ number "1"
- 2 = black w/ number "2"
- 3 = black w/ number "3"
- 4 = black w/ number "4"
- 5 = black w/ number "5"
- 6 = black w/ number "6"
- 7 = black w/ number "7"
- 8 = black w/ number "8"
- 9 = black w/ number "9"
- 10 = black w/ number "10"
- 11 = black w/ number "11"
- 12 = green w/yellow tracer
- 13 = black w/ number "13"
- 14 = black w/ number "14"
- 15 = black w/ number "15"
- 16 = black w/ number "16"
- 17 = black w/ number "17"
- 18 = black w/ number "18"
- 19 = black w/ number "19"

19 poles - current rating

- 1-4, 6, 8-11, and 13-19 = 3 A
- 5 and 7 = 8 A
- 12 = Ground



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Single-Ended Cordsets, Numeric Color Code
RS 1201M..1901M | RK 120M...190M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical







Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 12 poles: 5 A
19 poles: see pin assignments
Voltage rating 300 V

Cable Specifications - Numeric Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
676	PUR	18AWG	Yellow	.390" (9.9 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
669	PUR	18AWG	Yellow	.489" (12.4 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RS 1201M-676/...M RK 120M-676/...M	12	PUR	2 M / 5 M / 10 M / 15 M	  
RS 1901M-669/...M RK 190M-669/...M	19	PUR	2 M / 5 M / 10 M / 15 M	  

M23-Round-Plug Connector, Single-Ended Cordsets

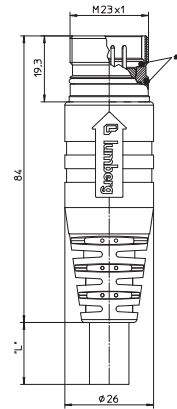
RSUF | RKU | RKUE



12- and 19-Poles

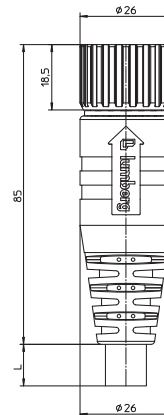
M23 cordsets, single ended, male straight connector, 12- and 19-poles with threaded joint, external threads and molded cable.

RSUF



M23 cordsets, single ended, female straight connector, 12- and 19-poles with threaded joint, internal threads and molded cable.

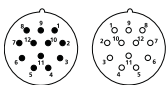
RKU/RKUE



Pin Assignments

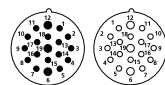
M23 - Male / Female

12 poles



- 1 = white
- 2 = green
- 3 = yellow
- 4 = grey
- 5 = grey/pink
- 6 = red/blue
- 7 = white/green
- 8 = brown/green
- 9 = blue
- 10 = blue
- 11 = brown
- 12 = yellow/green

19 poles



- 1 = violet
- 2 = red
- 3 = grey
- 4 = red/blue
- 5 = green
- 6 = blue
- 7 = grey/pink
- 8 = white/green
- 9 = white/yellow
- 10 = white/grey
- 11 = black
- 12 = yellow/green
- 13 = yellow/brown
- 14 = brown/green
- 15 = white
- 16 = yellow
- 17 = pink
- 18 = grey/brown
- 19 = brown



Be Certain with Belden

M23-Round-Plug Connector, Single-Ended Cordsets

RSUF | RKU | RKUE

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU, self-extinguishing
 Insert PBT
 Contact CuZn, pre-nickelated and 0.8 microns gold-plated
 Coupling nut CuZn, nickel-plated

Electrical

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 12 poles 8 A
 19 poles 8 A pin Ø 1 mm,
 10 A pin Ø 1.5 mm
 Nominal voltage 12 poles 240 V
 19 poles 120 V
 Rated voltage 12 poles 250 V
 19 poles 125 V
 Test voltage 12 poles 2.5 kV eff./ 60 s
 19 poles 1.5 kV eff./ 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
256	PUR, halogen-free	18AWG	Black	8 x 0.50mm ² 3 x 1.00mm ²	UL: AWM 21198 / CSA: AWM I/II A/B
242	PUR, halogen-free	18AWG	Black	3 x 1.00mm ² 16 x 0.50mm ²	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSUF 12-256/...M RKU 12-256/...M	12	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	
RSUF 19-242/...M RKUE 19-242/...M	19	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	
		PUR, halogen-free	5 M / 10 M / 15 M / 20 M	

M23-Round-Plug Connector, Single-Ended Cordsets

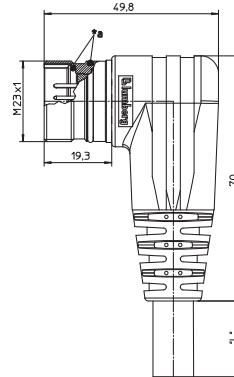
RSWUF | RKWU | RKWUE



12- and 19-Poles

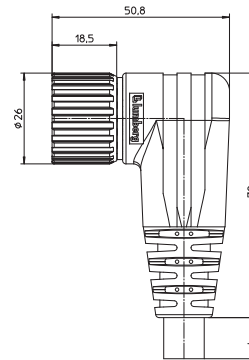
M23 cordsets, single ended, male 90° connector, 12- and 19-poles with threaded joint, external threads and molded cable.

RSWUF



M23 cordsets, single ended, female 90° connector, 12- and 19-poles with threaded joint, internal (female) threads and molded cable.

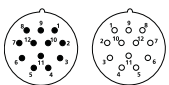
RKWU/RKWUE



Pin Assignments

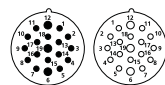
M23 - Male / Female

12 poles



- 1 = white
- 2 = green
- 3 = yellow
- 4 = grey
- 5 = grey/pink
- 6 = red/blue
- 7 = white/green
- 8 = brown/green
- 9 = blue
- 10 = blue
- 11 = brown
- 12 = yellow/green

19 poles



- 1 = violet
- 2 = red
- 3 = grey
- 4 = red/blue
- 5 = green
- 6 = blue
- 7 = grey/pink
- 8 = white/green
- 9 = white/yellow
- 10 = white/grey
- 11 = black
- 12 = yellow/green
- 13 = yellow/brown
- 14 = brown/green
- 15 = white
- 16 = yellow
- 17 = pink
- 18 = grey/brown
- 19 = brown



Be Certain with Belden

M23-Round-Plug Connector, Single-Ended Cordsets

RSWUF | RKWU | RKWUE

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU, self-extinguishing
Insert PBT
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C
12 poles 8 A
19 poles 8 A pin $\varnothing 1 \text{ mm}$,
10 A pin $\varnothing 1.5 \text{ mm}$
Nominal voltage
12 poles 240 V
19 poles 120 V
Rated voltage
12 poles 250 V
19 poles 125 V
Test voltage
12 poles 2.5 kV eff. / 60 s
19 poles 1.5 kV eff. / 60 s
Insulation resistance $> 10^9 \Omega$
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Jacket Color	OD	Agency Approvals
256	PUR, halogen-free	Black	8 x 0.50mm ² 3 x 1.00mm ²	UL: AWM 21198 / CSA: AWM I/II A/B
242	PUR, halogen-free	Black	3 x 1.00mm ² 16 x 0.50mm ²	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics	
Male 90°	Female 90°				
RSWUF 12-256/...M	RKWU 12-256/...M	12	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	
RSWUF 19-242/...M	RKWU 19-242/...M	19	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	
	RKWUE 19-242/...M		PUR, halogen-free	5 M / 10 M / 15 M / 20 M	

M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

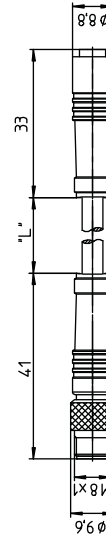
RSMV-RKM | RSMV-RKMV



3-Poles

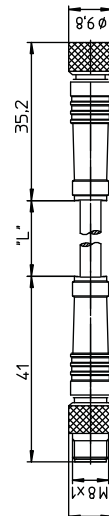
Actuator/sensor cordset, double-ended, M8, 3-pole, male straight with threaded joint to female straight connector with snap-in joint and molded cable.

RSMV-RKM



Actuator/sensor cordset, double-ended, M8, 3-pole, male straight with threaded joint to female straight connector and molded cable.

RSMV-RKMV



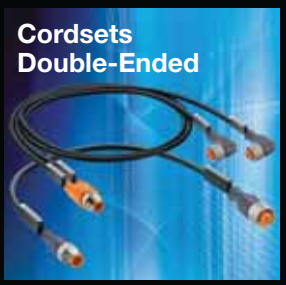
Pin Assignments

M8 - Male / Female

3 poles



- 1 = brown
- 3 = blue
- 4 = black



Be Certain with Belden

M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RSMV-RKM | RSMV-RKMV

Technical Data

Environmental

Degree of protection IP 65 / IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU, self-extinguishing
Insert PA / TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated (only RSMV / RKMV)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 60 V
Rated voltage 63 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
RSMV 3-RKM 3-224/...M	3	0.6 M / 1 M / 2 M	
RSMV 3-RKMV 3-224/...M		0.6 M / 1 M / 2 M	

M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

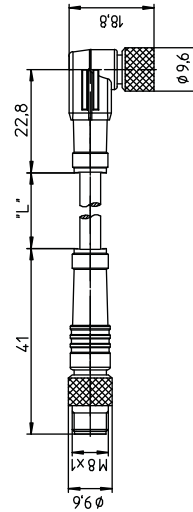
RSMV-RKMWV | RSMV-RKMWV/LED



3-Poles

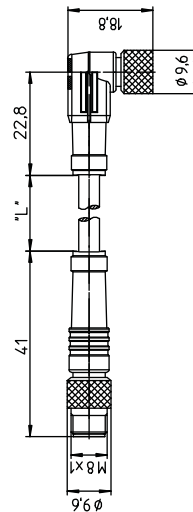
Actuator/sensor cordset, double-ended, M8, 3-pole male straight with threaded joint to female 90° connector and molded cable.

RSMV-RKMWV



Actuator/sensor cordset, double-ended, M8, 3-pole, male straight with threaded joint to female 90° connector with LED operation and function indicator and molded cable.

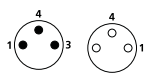
RSMV-RKMWV/LED



Pin Assignments

M8 - Male / Female

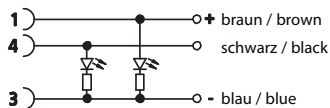
3 poles

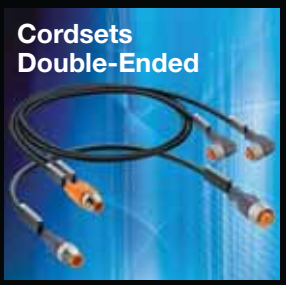


1 = brown
3 = blue
4 = black

Wiring Diagram / LED

pnp Normally open = yellow-green





Be Certain with Belden

M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RSMV-RKMWW | RSMV-RKMWW/LED

Technical Data

Environmental

Degree of protection IP 65 / IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical





Housing / Molded body TPU, self-extinguishing
Insert PA / TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated (only RSMV / RKMV)

Electrical

Nominal current at 40°C 4 A
Nominal voltage RSMV / RKMWW: 60 V
RKMWW/LED: 10-30 V DC
Rated voltage RSMV / RKMWW: 63 V
RKMWW/LED: 32 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
RSMV 3-RKMWW 3-224/...M	3	0.6 M / 1 M / 2 M	   

M8 / M12-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

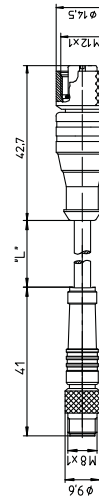
RSMV-RKT | RSMV-RKWT



3-Poles

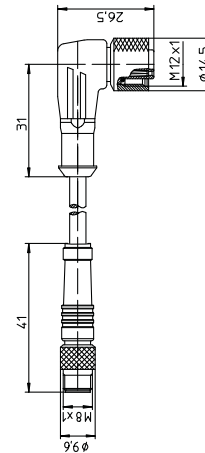
Actuator/sensor cordset, double-ended, M8, 3-pole, male straight to M12 female straight connector with molded cable.

RSMV-RKT



Actuator/sensor cordset, double-ended, M8, 3-pole male straight to M12 female 90° connector with molded cable.

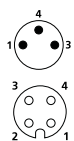
RSMV-RKWT



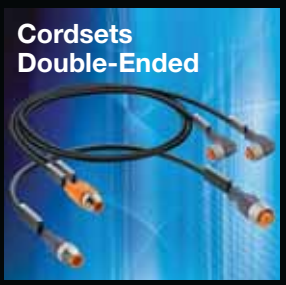
Pin Assignments

M8 / M12 - Male / Female

3 poles



- 1 = brown
- 2 = n.c.
- 3 = blue
- 4 = black



Be Certain with Belden

M8 / M12-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RSMV-RKT | RSMV-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU, self-extinguishing
Insert RSMV: PA / TPU
RKT / RKWT: TPU
Contact RSMV: CuZn, pre-nickel and 0.8 microns gold-plated
RKT / RKWT: CuZn, pre-nickel and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RKT / RKWT)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 60 V
Rated voltage 63 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
RSMV 3-RKT 4-3-224/...M	RSMV 3-RKWT 4-3-224/...M	3	0.6 M / 1 M / 2 M



M8 / M12-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

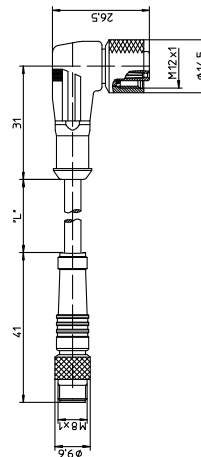
RSMV-RKWT/LED



3-Poles

Actuator/sensor cordset, double-ended, M8, 3-pole, male straight to M12, 3-pole female 90° connector with LED operation and function indicator and molded cable.

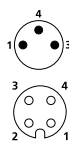
RSMV-RKWT/LED



Pin Assignments

M8 / M12 - Male / Female

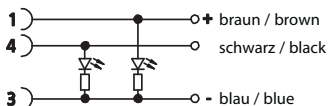
3 poles

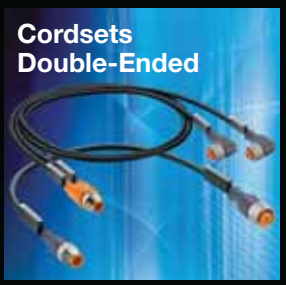


- 1 = brown
- 2 = n.c.
- 3 = blue
- 4 = black

Wiring Diagram / LED

pnp Normally open = yellow-green





Be Certain with Belden

M8 / M12-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RSMV-RKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert RSMV: PA / TPU
RKWT/LED: TPU
Contact RSMV: CuZn, pre-nickeled and 0.8 microns gold-plated
RKT / RKWT: CuZn, pre-nickeled and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RKWT/LED)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 10-30 V DC
Rated voltage 32 V
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
-------------	------	------------------------	-----------------

RSMV 3-RKWT/LED A 4-3-224/...M 3 0.6 M / 1 M / 2 M



Cordsets Double-Ended

M12 / M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

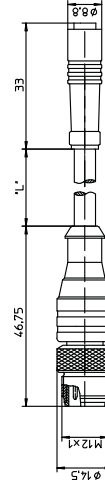
RST-RKM | RST-RKMV



3-Poles

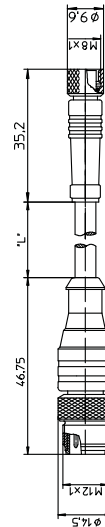
Actuator/sensor cordset, double-ended, M12, 3-pole, male straight to M8, 3-pole female straight, snap-in connector and molded cable.

RST-RKM



Actuator/sensor cordset, double-ended, M12, 3-pole, male straight to M8, 3-pole female straight connector with threaded joint and molded cable.

RST-RKMV



Pin Assignments

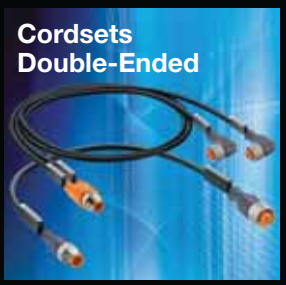
M12 / M8 - Male / Female

3 poles



- 1 = brown
- 3 = blue
- 4 = black





Be Certain with Belden

M12 / M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RST-RKM | RST-RKMW

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical








Housing / Molded body TPU
Insert RST: TPU
RKM / RKMV: PA / TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RKMV)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 60 V
Rated voltage 63 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
RST 3-RKM 3-224/...M	3	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
RST 3-RKMV 3-224/...M		0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	   

M12 / M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes

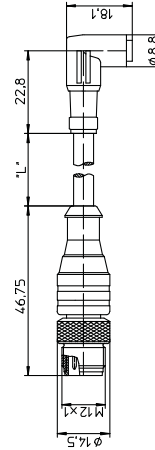
RST-RKMW/LED | RST-RKMWW/LED



3-Poles

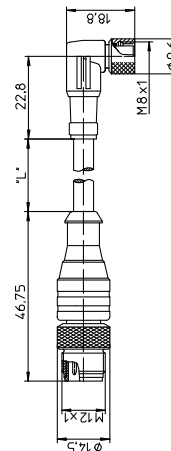
Actuator/sensor cordset, double-ended, M12, 3-pole, male straight to M8, 3-pole female 90° snap-in connector with LED operation and function indicator and molded cable.

RST-RKMW/LED



Actuator/sensor cordset, double-ended, M12, 3-pole, male straight to M8, 3-pole female 90° connector, threaded joints with LED operation and function indicator and molded cable.

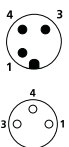
RST-RKMWW/LED



Pin Assignments

M8 / M12 - Male / Female

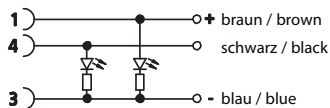
3 poles

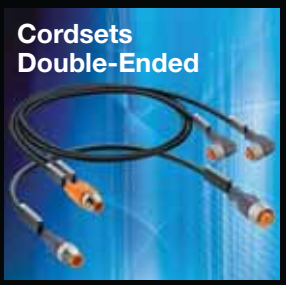


- 1 = brown
- 2 = n.c.
- 3 = blue
- 4 = black

Wiring Diagram / LED

pnp Normally open = yellow-green





Be Certain with Belden

M12 / M8-Double-Ended Cordsets for Actuators, Sensors and Distribution Boxes
RST-RKMV/LED | RST-RKMWV/LED

Technical Data

Environmental

Degree of protection IP 67 / IP 65 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical








Housing / Molded body TPU
Insert RST: TPU
RKM(W)V/LED: PA / TPU
Contact 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated (only RST / RKMWV/LED)
O-ring FKM (only RKMWV/LED)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 10-30 V DC
Rated voltage 32 V
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Standard Cable Lengths	Characteristics
RST 3-RKMW/LED A 3-224/...M	3	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
RST 3-RKMWV/LED A 3-224/...M		0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	   

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

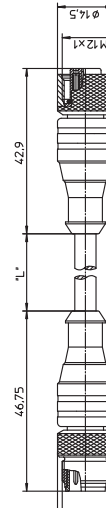
RST -RKT | RST-RKWT



3-, 4-, 5-, and 8-Poles

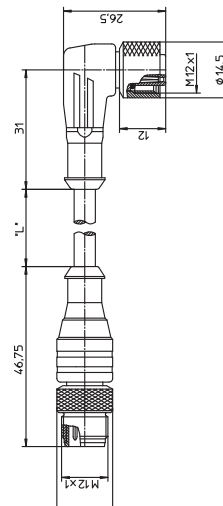
Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5-, and 8-poles, male straight to female straight connector with self-locking thread and molded cable, IEC color code.

RST-RKT



Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5-, and 8-poles, male straight to female 90° connector with self-locking thread and molded cable, IEC color code.

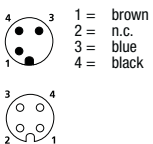
RST-RKWT



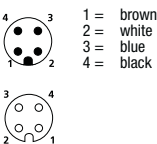
Pin Assignments

M12 - Male

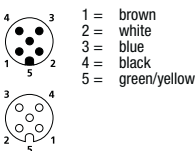
3 poles



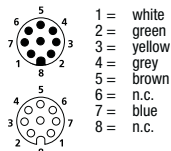
4 poles



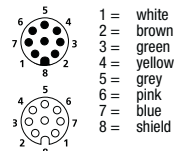
5 poles



6 poles



8 poles





Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

RST-RKT | RST-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
 Insert TPU
 Contact RST: CuSn, pre-nickel and 0.8 microns gold-plated
 RKT / RKWT: CuSn, pre-nickel and 0.3 microns gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM (only RKT / RKWT)

Electrical

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 3–5 poles 4 A
 6–8 poles 2 A
 Nominal voltage 3–4 poles 240 V
 5 poles 60 V, 6–8 poles 30 V
 Rated voltage 3–4 poles 250 V
 5 poles 63 V, 6–8 poles 36 V
 Test voltage 3–4 poles 2.0 kV eff. / 60 s
 5–8 poles 1.5 kV eff. / 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
228	PUR, halogen-free	5 x 0.50 mm ²	Black	.213" (5.4 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
259	PUR, halogen-free welding spark proof	5 x 0.50 mm ²	Orange	.217" (5.5 mm)
268	PUR, halogen-free welding spark proof	6 x 0.34 mm ²	Orange	.236" (6.0 mm)
282	PUR, halogen-free	7 x 0.25 mm ²	Black	.236" (6.0 mm)
337	PUR, halogen-free	6 x 0.34 mm ²	Black	.236" (6.0 mm)

Cordsets
Double-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-RKT 4-3-224/...M RST 3-RKWT 4-3-224/...M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKT 4-225/...M RST 4-RKWT 4-225/...M	4	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKT 4-251/...M		PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-RKT 5-228/...M	5	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-RKT 5-259/...M		PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 8-RKT 8-6-268/...M RST 8-RKWT 8-6-268/...M	6	PUR, halogen-free, weld spark proof	2 M / 5 M / 10 M	
RST 8-RKT 8-6-337/...M RST 8-RKWT 8-6-337/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 8-RKT 8-282/...M RST 8-RKWT 8-282/...M	8	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

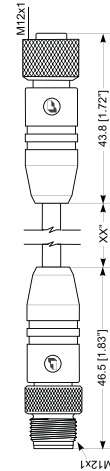
RST -RKT | RST-RKWT



8-Poles

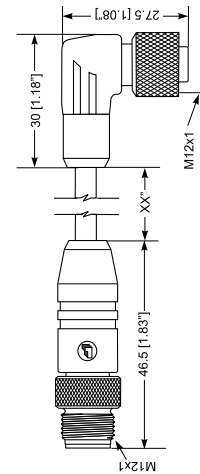
Actuator/sensor cordset, double-ended, M12, 8-poles, male straight to female straight connector with self-locking thread and molded PVC black cable, IEC color code.

RST-RKT



Actuator/sensor cordset, double-ended, M12, 8-poles, male straight to female 90° connector with self-locking thread and molded PVC black cable, IEC color code.

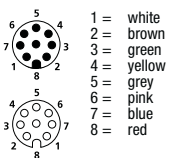
RST-RKWT

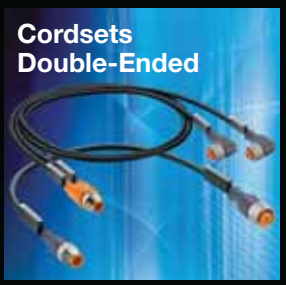


Pin Assignments

M12 - Male

8 poles





Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101
RST-RKT | RST-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, black
Insert TPU, black (female)
TPU, orange (male)
Contact CuSn, gold over nickel plated
Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
Voltage rating 60 V AC / 75 V DC

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
627	PVC	24AWG	Black	.232" (5.9 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 8-RKT 8-627/...M RST 8-RKWT 8-627/...M	8	PVC	0.3 M / 0.6 M / 1 M / 2 M / 5 M	

Cordsets Double-Ended

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

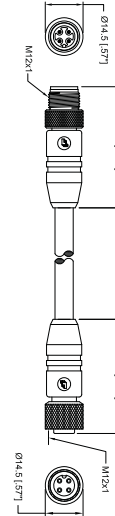
RST -RKT | RST-RKWT



3-, 4-, and 5-Poles

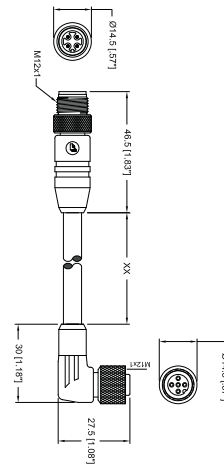
Actuator/sensor cordset, double-ended, M12, 3-, 4-, and 5-poles, male straight to female straight connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

RST-RKT



Actuator/sensor cordset, double-ended, M12, 3-, 4-, and 5-poles, male straight to female 90° connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

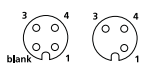
RST-RKWT



Pin Assignments

M12 - Male

3 poles



1 = brown
3 = blue
4 = black

4 poles



1 = brown
2 = white
3 = blue
4 = black

5 poles



1 = brown
2 = white
3 = blue
4 = black
5 = grey



Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

RST-RKT | RST-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range PUR: -40°C (-40°F) / +80°C (176°F)
 PVC: -40°C (-40°F) / +90°C (194°F)
 TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
 Insert TPU, yellow
 Contact CuSn, gold plated
 Coupling nut CuZn, nickel-plated
 O-ring Viton

Electrical

Current rating 4 A
 Voltage rating 250 V

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
602	PUR	18AWG	Yellow	.230" (5.8 mm)
610	PUR	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE	18AWG	Yellow	.280" (7.1 mm)
643	TPE	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
731	TPE	18AWG	Yellow	.261" (6.6 mm)

Cordsets
Double-Ended

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-RKT 4-3-731/...M RST 3-RKWT 4-3-731/...M	3	TPE	2 M / 5 M / 10 M	
RST 3-RKT 4-3-632/...M RST 3-RKWT 4-3-632/...M		PVC	2 M / 5 M / 10 M	
RST 3-RKT 4-3-645/...M RST 3-RKWT 4-3-645/...M		PUR	2 M / 5 M / 10 M	
RST 3-RKT 4-3-610/...M RST 3-RKWT 4-3-610/...M		PUR	2 M / 5 M / 10 M	
RST 4-RKT 4-637/...M RST 4-RKWT 4-637/...M	4	TPE	2 M / 5 M / 10 M	
RST 4-RKT 4-633/...M RST 4-RKWT 4-633/...M		PVC	2 M / 5 M / 10 M	
RST 4-RKT 4-643/...M RST 4-RKWT 4-643/...M		TPE	2 M / 5 M / 10 M	
RST 4-RKT 4-602/...M RST 4-RKWT 4-602/...M		PUR	2 M / 5 M / 10 M	
RST 4-RKT 4-679/...M RST 4-RKWT 4-679/...M		PUR	2 M / 5 M / 10 M	
RST 5-RKT 5-612/...M RST 5-RKWT 5-612/...M	5	PVC	2 M / 5 M / 10 M	
RST 5-RKT 5-644/...M RST 5-RKWT 5-644/...M		PUR	2 M / 5 M / 10 M	

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

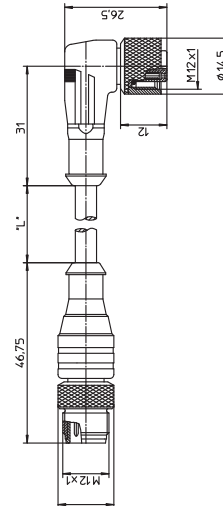
RST-RKWT/LED



3- and 4-Poles

Actuator/sensor cordset, double-ended, M12, 3- and 4-poles, male straight to female 90° connector with LED operation and function indicator, self-locking thread and molded cable.

RST-RKWT/LED



Pin Assignments

M12 - Male		Wiring Diagrams / LED		
<p>3 poles</p>	<p>4 poles</p>	<p>A pnp Normally open yellow-green</p>	<p>P pnp Normally closed/open yellow-green</p>	<p>R pnp Normally closed/open yellow-red-green</p>



Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101
RST-RKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPU
Contact RST: CuSn, pre-nickeled and 0.8 microns gold-plated
RKWT/LED: CuSn, pre-nickeled and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RKWT/LED)

Electrical

Nominal current at 40°C 4 A
Nominal voltage 10–30 V DC
Rated voltage 32 V
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
260	PUR, halogen-free welding spark proof	3 x 0.34 mm ²	Orange	.177" (4.5 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-RKWT/LED A 4-3-224/...M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 3-RKWT/LED A 4-3-260/...M		PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKWT/LED P 4-225/...M	4	PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKWT/LED P 4-251/...M		PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 4-RKWT/LED R 4-251/...M	4	PUR, halogen-free, weld spark proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

PRST-PRKT | PRST-PRKWT

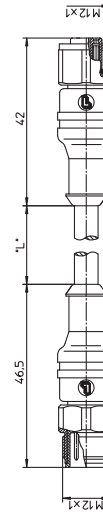


4-Poles (Stainless Steel)

Actuator/sensor cordset, double-ended, M12, 4-poles, male straight to female straight connector with threaded joint and molded cable, hexagon screw in stainless steel.

– especially designed for use in food processing equipment applications –

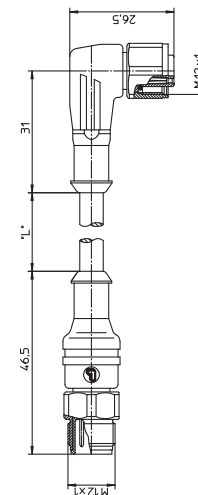
PRST-PRKT



Actuator/sensor cordset, double-ended, M12, 4-poles, male straight to female 90° connector with threaded joint and molded cable, hexagon screw in stainless steel.

– especially designed for use in food processing equipment applications –

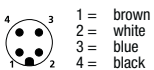
PRST-PRKWT

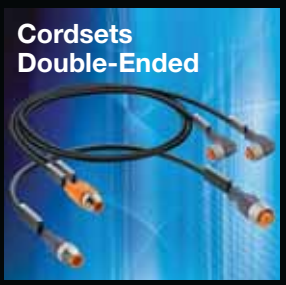


Pin Assignments

M12 - Male

4 poles





Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101
PRST-PRKT | PRST-PRKWT

Technical Data

Environmental

Degree of protection IP 67 / IP 69K / NEMA 6P
Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical




Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.3 microns gold-plated
Coupling nut stainless steel

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 240 V
Rated voltage 250 V
Test voltage 2.0 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)

Part Number	Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
PRST 4-PRKT 4-07/...M	PRST 4-PRKWT 4-07/...M	4	PVC	2 M / 5 M	  

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101

PRST-PRKWT/LED

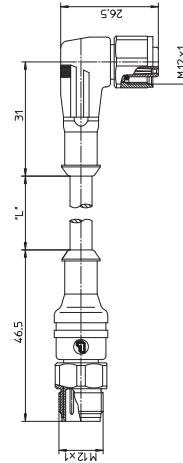


4-Poles (Stainless Steel)

Actuator/sensor cordset, double-ended, M12, 4-poles, male straight to female 90° connector with LED operation and function indicator, threaded joint and molded cable, hexagon screw in stainless steel.

– especially designed for use in food processing equipment applications –

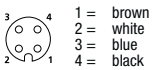
PRST-PRKWT/LED



Pin Assignments

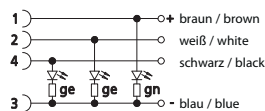
M12 - Male

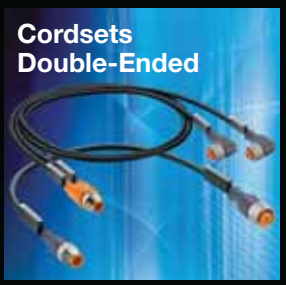
4 poles



Wiring Diagrams

P pnp normally closed/open = yellow-yellow-green





Be Certain with Belden

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 61076-2-101
PRST-PRKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / IP 69K / NEMA 6P
Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical




Housing / Molded body TPU
Insert TPU
Contact CuSn, pre-nickel and 0.3 microns gold-plated
Coupling nut stainless steel

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 A
Nominal voltage 10-30 V DC
Rated voltage 32 V
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
PRST 4-PRKWT/LED P 4-07/...M	4	PVC	2 M / 5 M	  

1/2"-20-Round-Plug Connector, Double-Ended Cordsets, Automotive Color Code

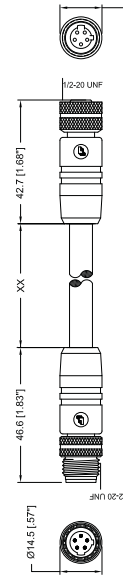
RST...U-RKT ...U | RST...U-RKWT...U



3, 4-, and 5-Poles

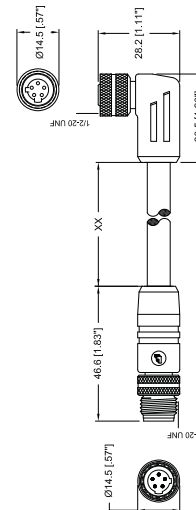
1/2"-20 actuator/sensor cordsets, double-ended, 3-, 4- and 5-Poles, male to female straight connector, dual keyway, 18 and 22 gauge, Automotive color code.

RST...U-RKT...U



1/2"-20 actuator/sensor cordsets, double-ended, 3-, 4- and 5-Poles, male to female 90° connector, dual keyway, 18 and 22 gauge, Automotive color code.

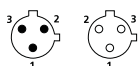
RST...U-RKWT...U



Pin Assignments

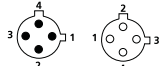
1/2"-20 - Male / Female

3 poles



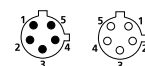
- 1 = green
- 2 = red/black
- 3 = red/white

4 poles



- 1 = red/black
- 2 = red/white
- 3 = red
- 4 = green

5 poles



- 1 = red/white tr.
- 2 = red
- 3 = green
- 4 = red/yel tr.
- 5 = red/blk tr.



Be Certain with Belden

1/2"-20-Round-Plug Connector, Single-Ended Cordsets, Automotive Color Code RST...U-RKT...U | RST...U-RKWT...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over nickel plated
Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
Voltage rating 250 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
688	PVC	18AWG	3 x 0.75mm ²	Yellow	.290" (7.4 mm)
689	PVC	18AWG	4 x 0.75mm ²	Yellow	.290" (7.4 mm)
755	TPE	18AWG	5 x 0.75mm ²	Yellow	.333" (8.5 mm)
618	PVC	22AWG	3 x 0.34mm ²	Yellow	.180" (4.6 mm)
674	PVC	22AWG	4 x 0.34mm ²	Yellow	.190" (4.8 mm)
673	PVC	22AWG	5 x 0.34mm ²	Yellow	.210" (5.3 mm)
664	PUR	22AWG	3 x 0.34mm ²	Yellow	.190" (4.8 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3U-RKT 3U-688/...F RST 3U-RKWT 3U-688/...F	3	PVC	3 F / 6 F / 12 F / 15 F	
RST 4U-RKT 4U-689/...F RST 4U-RKWT 4U-689/...F	4	PVC	3 F / 6 F / 12 F / 15 F	
RST 5U-RKT 5U-755/...F RST 5U-RKWT 5U-755/...F	5	TPE	3 F / 6 F / 12 F / 15 F	
RST 3U-RKT 3U-618/...F RST 3U-RKWT 3U-618/...F	3	PVC	3 F / 6 F / 12 F / 15 F	
RST 4U-RKT 4U-674/...F RST 4U-RKWT 4U-674/...F	4	PVC	3 F / 6 F / 12 F / 15 F	
RST 5U-RKT 5U-673/...F RST 5U-RKWT 5U-673/...F	5	PVC	3 F / 6 F / 12 F / 15 F	
RST 3U-RKT 3U-664/...F RST 3U-RKWT 3U-664/...F	3	PUR	3 F / 6 F / 12 F / 15 F	

1/2"-20-Round-Plug Connector, Double-Ended Cordsets, US Color Code

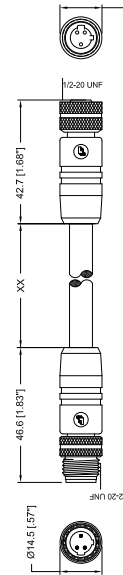
RST...U-RKT ...U | RST...U-RKWT...U



3-Poles

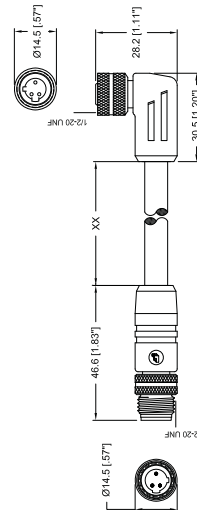
1/2"-20 actuator/sensor-cordsets, double ended, 3-poles, male to female straight connector, dual keyway, 18 gauge, US color code.

RST...U-RKT...U



1/2"-20 actuator/sensor-cordsets, single ended, 3-poles, male to female 90° connector, dual keyway, 18 gauge, US color code.

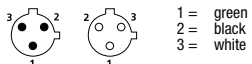
RST...U-RKWT...U

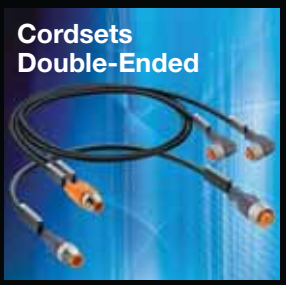


Pin Assignments

1/2"-20 - Male / Female

3 poles





Be Certain with Belden

1/2"-20-Round-Plug Connector, Double-Ended Cordsets, US Color Code
 RST...U-RKT...U | RST...U-RKWT...U

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

Mechanical




Housing / Molded body TPU, yellow
 Insert TPU, yellow
 Contact CuZn, gold over nickel plated
 Coupling nut CuZn, nickel-plated

Electrical

Current rating 4 A
 Voltage rating 250 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Conductor Size	Jacket Color	OD
619	CPE	18AWG	3 x 0.75mm ²	Yellow	.370" (9.4 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3U-RKT 3U-619/...F RST 3U-RKWT 3U-619/...F	3	CPE	3 F / 6 F / 12 F / 15 F	  

Cordsets Double-Ended

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, US Color Code

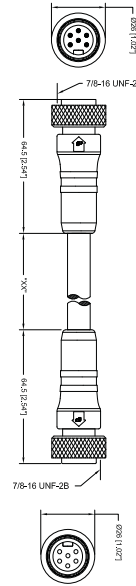
RSRK 201...601A | RSRKW 201...601A



2-, 3-, 4-, 5-, and 6-Poles

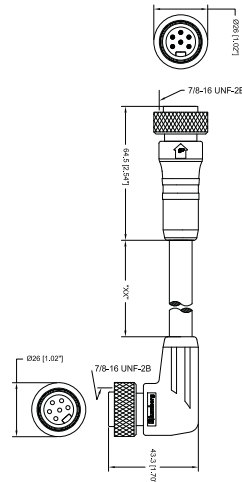
Mini, 7/8" double-ended cordsets, male to female straight, 2-, 3-, 4-, 5-, and 6-poles with molded cable, US color code.

RSRK



Mini, 7/8" double-ended cordsets, male straight to female 90°, 2-, 3-, 4-, 5-, and 6-poles with molded cable, US color code.

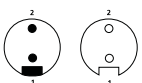
RSRKW



Pin Assignments

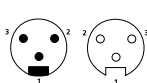
Mini, 7/8" - Male / Female

2 poles



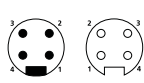
1 = white
2 = black

3 poles



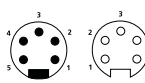
1 = green
2 = black
3 = white

4 poles



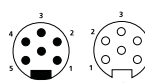
1 = black
2 = white
3 = red
4 = green

5 poles



1 = white
2 = red
3 = green
4 = orange
5 = black

6 poles



1 = white
2 = red
3 = green
4 = orange
5 = black
6 = blue



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, US Color Code RSRK 201...601A | RSRKW 201...601A

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical


















Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2 pole: 12 A
3-6 pole: 8 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
678	PVC	16AWG	Yellow	.375" (9.5 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: ST0
619	CPE	18AWG	Yellow	.370" (9.4 mm)	-40°C (-40°F) to +90°C (194°F)	UL: S00W / CSA: S0W
738	TPE	16AWG	Yellow	.390" (9.9 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
739	TPE	16AWG	Yellow	.415" (10.5 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
777	TPE	16AWG	Yellow	.495" (12.6 mm)	-50°C (-58°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
697	PVC	18AWG	Yellow	.502" (12.8 mm)	-40°C (-40°F) to +105°C (221°F)	UL: ST0W / CSA: ST00

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 201-678/...F RSRKW 201-678/...F	2	PVC	6 F / 12 F / 15 F / 20 F / 30 F	  
RSRK 301-619/...F RSRKW 301-619/...F	3	CPE	6 F / 12 F / 15 F / 20 F / 30 F	  
RSRK 301-738/...F RSRKW 301-738/...F		TPE	6 F / 12 F / 15 F / 20 F / 30 F	  
RSRK 401-739/...F RSRKW 401-739/...F	4	TPE	6 F / 12 F / 15 F / 20 F / 30 F	  
RSRK 501-777/...F RSRKW 501-777/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	  
RSRK 601A-697/...F RSRKW 601A-697/...F	6	PVC	6 F / 12 F / 15 F / 20 F / 30 F	 

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, Automotive Color Code

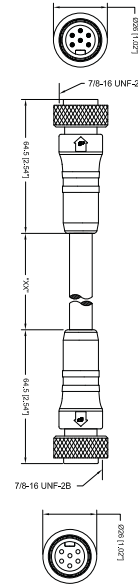
RSRK 301...501 | RSRKW 301...501



3- and 5-Poles

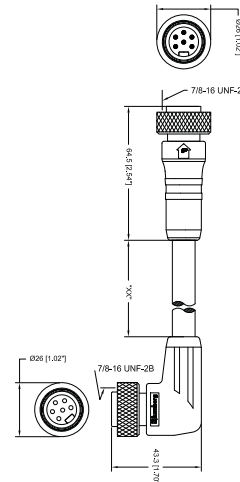
Mini, 7/8" double-ended cordsets, male to female straight, 3- and 5-poles with molded cable, Automotive color code.

RSRK



Mini, 7/8" double-ended cordsets, male straight to female 90°, 3- and 6-poles with molded cable, Automotive color code.

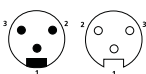
RSRKW



Pin Assignments

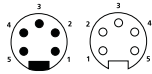
Mini, 7/8" - Male / Female

3 poles



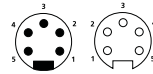
- 1 = green
- 2 = red w/black tr.
- 3 = red w/white tr.

5 poles (742)

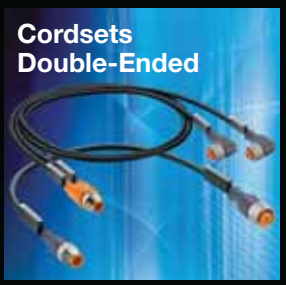


- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/orange tr.
- 5 = red w/black tr.

5 poles (755)



- 1 = red w/white tr.
- 2 = red
- 3 = green
- 4 = red w/yellow tr.
- 5 = red w/black tr.



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, Automotive Color Code
RSRK 301...501 | RSRKW 30...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical













Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 741/742: 8 A
755: 5.6 A
Voltage rating 741/742: 600 V
755: 300 V

Cable Specifications - Automotive Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
741	TPE	16AWG	Yellow	.390" (9.9 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
742	TPE	16AWG	Yellow	.495" (12.6 mm)	-40°C (-40°F) to +105°C (221°F)	UL: SE00W / CSA: ST00W
755	TPE	18AWG	Yellow	.333" (8.5 mm)	-40°C (-40°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II, A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 301-741/...F	3	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RSRK 501-742/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   
RSRK 501-755/...F	5	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, IEC Color Code

RSRK 20...50 | RSRKW 20...50



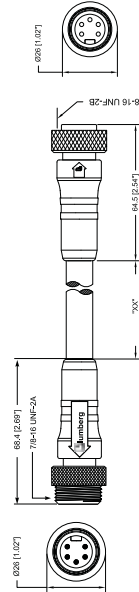
2-, 3-, 4- and 5-Poles

Mini, 7/8" double-ended cordsets, male straight with external threads to female straight connector, 2-, 3-, 4-, and 5-poles with molded cable, IEC color code.

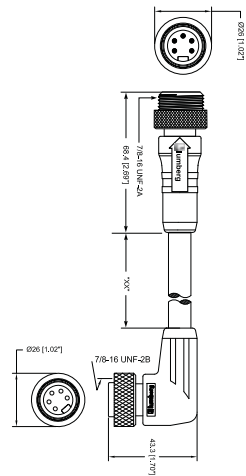


Mini, 7/8" double-ended cordsets, male straight with external threads to female 90° connector, 2-, 3-, 4-, and 5-poles with molded cable, IEC color code.

RSRK



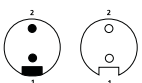
RSRKW



Pin Assignments

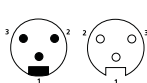
Mini, 7/8" - Male / Female

2 poles



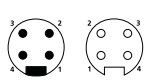
1 = brown
2 = blue

3 poles



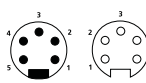
1 = green
2 = brown
3 = blue

4 poles

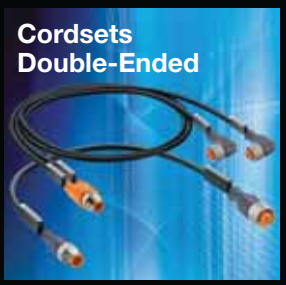


1 = black
2 = blue
3 = brown
4 = white

5 poles



1 = black
2 = blue
3 = yellow w/green tr.
4 = brown
5 = white



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, IEC Color Code
RSRK 20...50 | RSRKW 20...50

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 2-3 pole: 8 A
4-5 pole: 5.6 A
Voltage rating 300 V

Cable Specifications - IEC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
603	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B
731	TPE	18AWG	Yellow	.284" (7.2 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B
645	PUR	18AWG	Yellow	.220" (5.6 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
637	TPE	18AWG	Yellow	.280" (7.1 mm)	-25°C (-40°F) to +105°C (221°F)	UL: PLTC / CSA: AWM I/II A/B
602	PUR	18AWG	Yellow	.230" (5.8 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
794	TPE	18AWG	Yellow	.304" (7.7 mm)	-50°C (-58°F) to +90°C (194°F)	UL: PLTC / CSA: AWM I/II A/B

Part Number	Outer Jacket	Pins	Standard Cable Lengths	Characteristics
RSRK 20-603/...M	RSRKW 20-603/...M	2	0.3 M / 0.6 M / 1 M / 2 M / 5 M	
RSRK 30-731/...F	RSRKW 30-731/...F	3	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 30-645/...M	RSRKW 30-645/...M		0.3 M / 0.6 M / 1 M / 2 M / 5 M	
RSRK 40-637/...F	RSRKW 40-637/...F	4	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 40-602/...M	RSRKW 40-602/...M		0.3 M / 0.6 M / 1 M / 2 M / 5 M	
RSRK 50-794/...F	RSRKW 50-794/...F	5	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, EURO AC Color Code

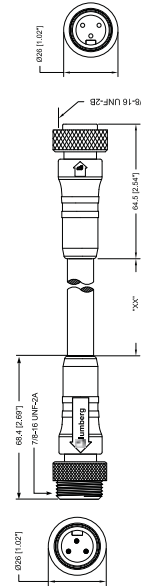
RSRK 30 | RSRKW 30



3-Poles

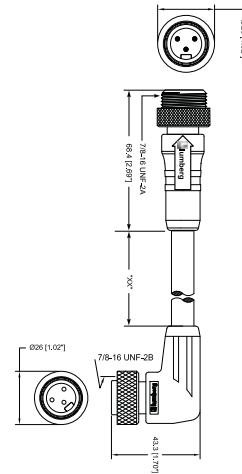
Mini, 7/8" double-ended cordsets, male straight with external threads to female straight connector, 3-poles with molded cable, IEC color code.

RSRK



Mini, 7/8" double-ended cordsets, male straight with external threads to female 90° connector, 3-poles with molded cable, IEC color code.

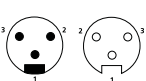
RSRKW



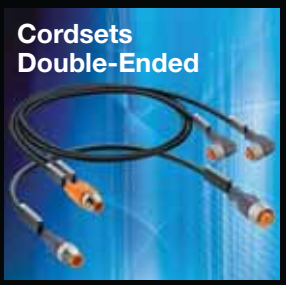
Pin Assignments

Mini, 7/8" - Male / Female

3 poles



- 1 = yellow/green
- 2 = brown
- 3 = blue



Be Certain with Belden

Mini, 7/8"-Round-Plug Connector, Double-Ended Cordsets, EURO AC Color Code
RSRK 30 | RSRKW 30

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical




Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 8 A
Voltage rating 300 V

Cable Specifications - EURO AC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
601	PVC	18AWG	Yellow	.290" (7.4 mm)	-40°C (-40°F) to +105°C (221°F)	UL: AWM 2661 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 30-601/...M RSRKW 30-601/...M	3	PVC	2 M / 5 M / 10 M	  

Mini, 1"-Round-Plug Connector, Double-Ended Cordsets, US Color Code

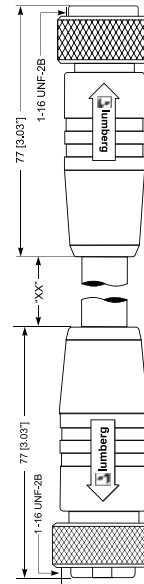
RSRK 601B...801M



6-, 7- and 8-Poles

Mini, 1" double-ended cordsets, male straight to female straight connector, 6-, 7- and 8-poles with molded cable, US color code.

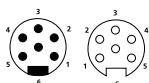
RSRK



Pin Assignments

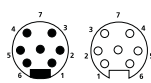
Mini, 1" - Male / Female

6 poles



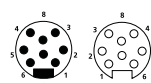
- 1 = orange
- 2 = blue
- 3 = black
- 4 = white
- 5 = red
- 6 = green

7 poles



- 1 = white/black
- 2 = black
- 3 = white
- 4 = red
- 5 = orange
- 6 = blue
- 7 = green

8 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = black
- 5 = white
- 6 = red
- 7 = green
- 8 = red/black



Be Certain with Belden

Mini, 1”-Round-Plug Connector, Double-Ended Cordsets, US Color Code
RSRK 601B...801M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 6 and 7 pole: 8 A
8 pole: 7 A
Voltage rating 600 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
696	PVC	16AWG	Yellow	.560" (14.2 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO
622	PVC	16AWG	Yellow	.560" (14.2 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO
698	PVC	16AWG	Yellow	.585" (14.9 mm)	-40°C (-40°F) to +105°C (221°F)	UL: STOW / CSA: STO

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 601B-696/...F	6	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 701M-622/...F	7	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 801M-698/...F	8	PVC	6 F / 12 F / 15 F / 20 F / 30 F	

Mini, 1"-Round-Plug Connector, Double-Ended Cordsets, US Color Code

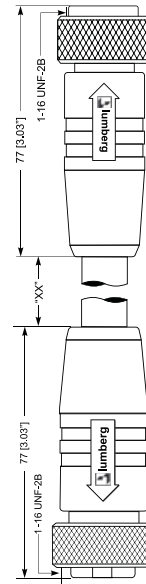
RSRK 701B...801M



7- and 8-Poles

Mini, 1" double-ended cordsets, male straight to female straight connector, 7- and 8-poles with molded cable, US color code.

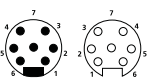
RSRK



Pin Assignments

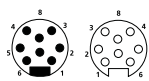
Mini, 1" - Male / Female

7 poles



- 1 = white/black
- 2 = black
- 3 = white
- 4 = red
- 5 = orange
- 6 = blue
- 7 = green

8 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = black
- 5 = white
- 6 = red
- 7 = green
- 8 = red/black



Be Certain with Belden

Mini, 1”-Round-Plug Connector, Double-Ended Cordsets, US Color Code
RSRK 701M...801M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 7 pole: 8 A
8 pole: 7 A
Voltage rating 300 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
649	PUR	18AWG	Yellow	.270" (6.9 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
650	PUR	18AWG	Yellow	.292" (7.4 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 701M-649/...F	7	PUR	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 801M-650/...M	8	PUR	6 F / 12 F / 15 F / 20 F / 30 F	

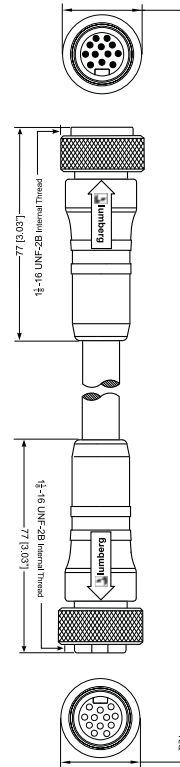
RSRK 1201M



12-Poles

Mini, 1 1/8" double-ended cordsets, male straight to female straight connector, 12-poles with molded cable, IEC color code.

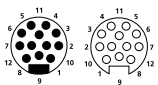
RSRK



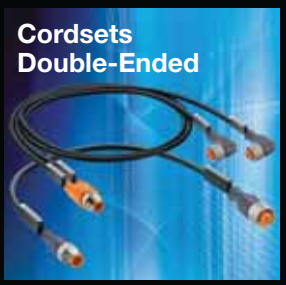
Pin Assignments

Mini, 1 1/8" - Male / Female

12 poles



- 1 = black
- 2 = red
- 3 = pink
- 4 = grey
- 5 = yellow
- 6 = green
- 7 = white
- 8 = violet
- 9 = green/yellow
- 10 = blue
- 11 = n.c.
- 12 = brown



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Double-Ended Cordsets, IEC Color Code
RSRK 1201M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical





Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 5 A
Voltage rating 600 V

Cable Specifications - IEC Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
728	TPE	18AWG	Yellow	.596" (15.1 mm)	-50°C (-58°F) to +90°C (194°F)	UL: SE00W / CSA: ST00W

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 1201M-728/...F	12	TPE	6 F / 12 F / 15 F / 20 F / 30 F	   

Mini, 1 1/8"-Round-Plug Connector, Double-Ended Cordsets, US Color Code

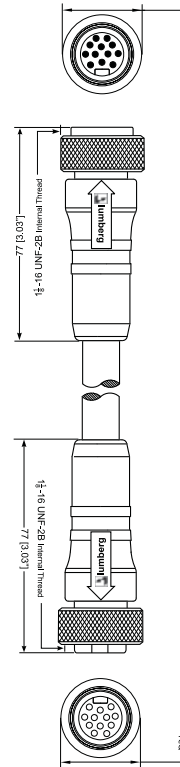
RSRK 901M...1201M



9-, 10-, and 12-Poles

Mini, 1 1/8" double-ended cordsets, male straight to female straight connector, 9-, 10-, and 12-poles with molded cable, US color code.

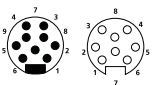
RSRK



Pin Assignments

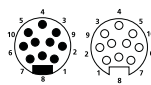
Mini, 1 1/8" - Male / Female

9 poles



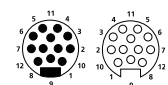
- 1 = orange
- 2 = blue
- 3 = red/black
- 4 = green/black
- 5 = white
- 6 = red
- 7 = green
- 8 = white/black
- 9 = black

10 poles

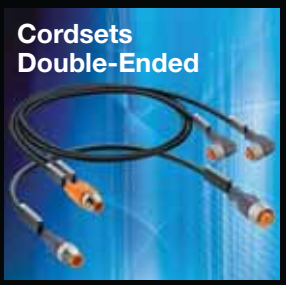


- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = red
- 8 = green
- 9 = black
- 10 = white

12 poles



- 1 = orange
- 2 = blue
- 3 = white/black
- 4 = red/black
- 5 = green/black
- 6 = orange/black
- 7 = blue/black
- 8 = black/white
- 9 = green
- 10 = red
- 11 = white
- 12 = black



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Double-Ended Cordsets, US Color Code
RSRK 901M...1201M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 9-10 pole: 7 A
12 pole: 5 A
Voltage rating 623, 699, 724: 600 V
651, 652, 654: 300 V

Cable Specifications - US Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
623	PVC	16AWG	Yellow	.660" (16.8 mm)	-40°C (-40°F) to +90°C (194°F)	UL: STOW / CSA: AWM I/II A/B
651	PUR	18AWG	Yellow	.313" (8.0 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
699	PVC	16AWG	Yellow	.660" (16.8 mm)	-40°C (-40°F) to +90°C (194°F)	UL: STOW / CSA: AWM I/II A/B
652	PUR	18AWG	Yellow	.340" (8.6 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
724	TPE	16AWG	Yellow	.690" (17.5 mm)	-50°C (-58°F) to +90°C (194°F)	UL: SE00W / CSA: STOW
654	PUR	18AWG	Yellow	.354" (9.0 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 901M-623/...F	9	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 901M-651/...F				
RSRK 1001M-699/...F	10	PVC	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 1001M-652/...F				
RSRK 1201M-724/...F	12	TPE	6 F / 12 F / 15 F / 20 F / 30 F	
RSRK 1201M-654/...F				

Mini, 1 1/8"-Round-Plug Connector, Double-Ended Cordsets, Numeric Color Code

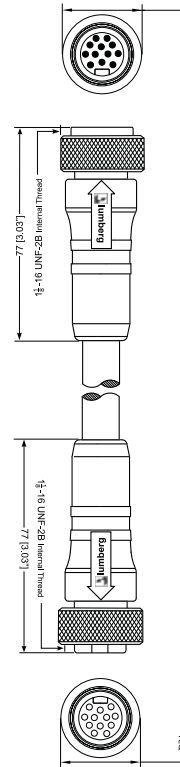
RSRK 1201M...1901M



12-, and 19-Poles

Mini, 1 1/8" double-ended cordsets, male straight to female straight connector, 12-, and 19-poles with molded cable, Numeric color code.

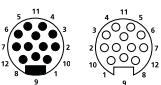
RSRK



Pin Assignments

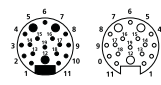
Mini, 1 1/8" - Male / Female

12 poles



- 1 = black w/ number "1"
- 2 = black w/ number "2"
- 3 = black w/ number "3"
- 4 = black w/ number "4"
- 5 = black w/ number "5"
- 6 = black w/ number "6"
- 7 = black w/ number "7"
- 8 = black w/ number "8"
- 9 = green w/yellow tracer
- 10 = black w/ number "10"
- 11 = black w/ number "11"
- 12 = black w/ number "12"

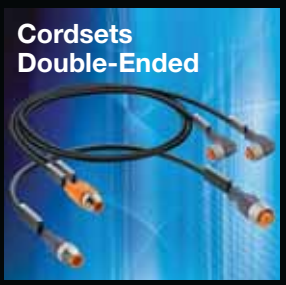
19 poles



- 1 = black w/ number "1"
- 2 = black w/ number "2"
- 3 = black w/ number "3"
- 4 = black w/ number "4"
- 5 = black w/ number "5"
- 6 = black w/ number "6"
- 7 = black w/ number "7"
- 8 = black w/ number "8"
- 9 = black w/ number "9"
- 10 = black w/ number "10"
- 11 = black w/ number "11"
- 12 = green w/yellow tracer
- 13 = black w/ number "13"
- 14 = black w/ number "14"
- 15 = black w/ number "15"
- 16 = black w/ number "16"
- 17 = black w/ number "17"
- 18 = black w/ number "18"
- 19 = black w/ number "19"

19 poles - current rating

- 1-4, 6, 8-11, and 13-19 = 3 A
- 5 and 7 = 8 A
- 12 = Ground



Be Certain with Belden

Mini, 1 1/8"-Round-Plug Connector, Double-Ended Cordsets, Numeric Color Code
RSRK 1201M...1901M

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -40°C (-40°F) / +90°C (194°F)

Mechanical







Housing / Molded body TPU, yellow
Insert TPU, yellow
Contact CuZn, gold over silver plated
Coupling nut Aluminum, anodized black

Electrical

Current rating 12 poles: 5 A
19 poles: see pin assignments
Voltage rating 300 V

Cable Specifications - Numeric Color Code

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Temperature Rating	Agency Approvals
676	PUR	18AWG	Yellow	.390" (9.9 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B
669	PUR	18AWG	Yellow	.489" (12.4 mm)	-40°C (-40°F) to +80°C (176°F)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSRK 1201M-676/...M	12	PUR	1 M / 2 M / 3 M / 5 M	  
RSRK 1901M-669/...M	19	PUR	2 M / 5 M	  

M23-Round-Plug Connector, Double-Ended Cordsets

RSUF-RKWU | RSWU-RKWU

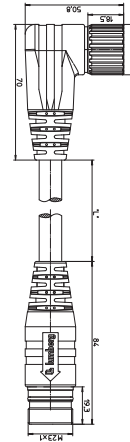


19-Poles

M23 cordsets, double ended, male straight to female 90° connector, 19-poles with threaded joint, external threads and molded cable.

– control cable for actuator/
sensor boxes –

RSUF-RKWU

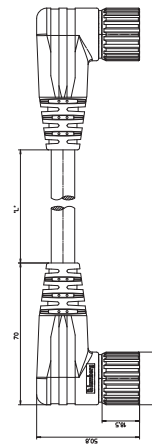


12-Poles

M23 cordsets, double ended, male 90° to female 90° connector, 12-poles with threaded joint, internal threads and molded cable.

– control cable for actuator/
sensor boxes –

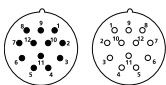
RSWU/RKWU



Pin Assignments

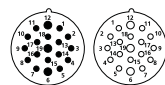
M23 - Male / Female

12 poles

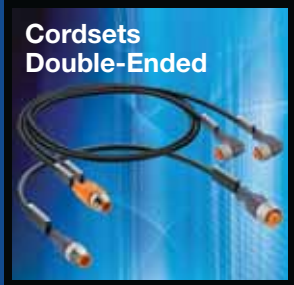


- 1 = white
- 2 = green
- 3 = yellow
- 4 = grey
- 5 = grey/pink
- 6 = red/blue
- 7 = white/green
- 8 = brown/green
- 9 = blue
- 10 = blue
- 11 = brown
- 12 = yellow/green

19 poles



- 1 = violet
- 2 = red
- 3 = grey
- 4 = red/blue
- 5 = green
- 6 = blue
- 7 = grey/pink
- 8 = white/green
- 9 = white/yellow
- 10 = white/grey
- 11 = black
- 12 = yellow/green
- 13 = yellow/brown
- 14 = brown/green
- 15 = white
- 16 = yellow
- 17 = pink
- 18 = grey/brown
- 19 = brown



Be Certain with Belden

M23-Round-Plug Connector, Double-Ended Cordsets
RSUF-RKWU | RSWU-RKWU

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +100°C (+212°F)

Mechanical

Molded body TPU, self-extinguishing
Housing CuZn, nickel plated (only RSUF)
Insert PBT
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RSUF/RSWU)

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 12 poles 8 A
19 poles 8 A (pin Ø 1 mm)
10 A pin Ø 1.5 mm
Nominal voltage 12 poles 240 V
19 poles 120 V
Rated voltage 12 poles 250 V
19 poles 125 V
Test voltage 12 poles 2.5 kV eff./ 60 s
19 poles 1.5 kV eff./ 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Jacket Color	Leads	OD	Agency Approvals
256	PUR, halogen-free	Black	8 x 0.50mm ² 3 x 1.00mm ²	9.3 mm	UL: AWM 21198 / CSA: AWM I/II A/B
355	PUR	Black	3 x 1.00mm ² 16 x 0.50mm ²	11.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSUF 19-RKWU 19-355/...M	19	PUR	2 M / 5 M / 10 M	
RSWU 12-RKWU 12-256/...M	12	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets

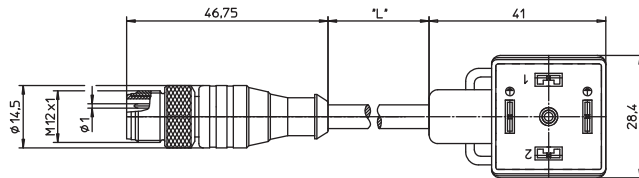
RST-VAD



RST-VAD 1 A and RST-VAD 1F

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector according to

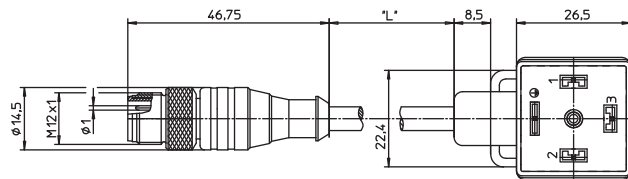
– DIN EN 175301-803, form A –



RST-VAD 3C-4-1 and RST-VAD 3C-4-2

Sensor cordset, double-ended, M12 male connector with selflocking threaded joint and connector for pressure switches according to

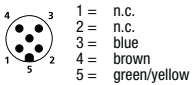
– DIN EN 175301-803, form A –



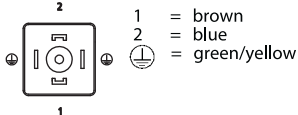
Pin Assignments

M12

3 poles

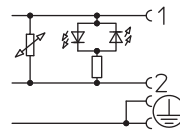


VAD 1A / VAD 1F

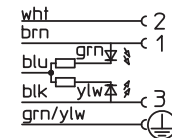


Wiring Diagram

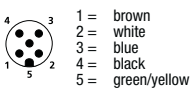
VAD 1A



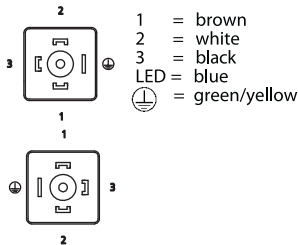
VAD 3C



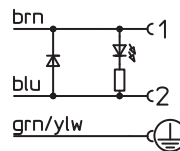
5 poles



**VAD 3C-4-1
VAD 3C-4-2**



VAD 1F





Be Certain with Belden

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets RST-VAD

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical (RST)

Housing / Molded body TPU
Insert TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Mechanical (VAD)

Housing / Molded body TPU
Insert PBT
Contact CuZn, nickel/tin plated

Electrical

Nominal current at 40°C 4 A
Nominal voltage 24 V
Rated voltage 32 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Varistor data (VAD 1A)

Nominal voltage 47 V at 0.1 mA
typ. limiting voltage 110 V at 5 A
max. pulse energy 0.9 Ws
max. continuous power loss 0.01 W

Recovery diode data (VAD 1F)

typ. limiting voltage 1.2 V at 4 A
max. pulse current 10 A
max. continuous power loss 0.5 W

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B
241	PUR, halogen-free, spark-proof	3 x 0.50 mm ²	Black	5.0 mm	UL: AWM 21198 / CSA: AWM I/II A/B
228	PUR, halogen-free	5 x 0.50 mm ²	Black	5.4 mm	UL: AWM 21198 / CSA: AWM I/II A/B
259	PUR, halogen-free, spark-proof	5 x 0.50 mm ²	Black	5.5 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 5-3-VAD 1A-1-3-226/...M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-3-VAD 1A-1-3-241/...M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-VAD 3C-4-1-228/...M	5	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	
RST 5-VAD 3C-4-1-259/...M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets

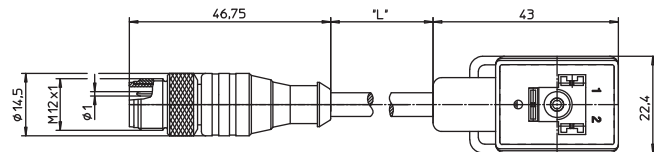
RST-VBD | RST-VB



RST-VBD 1A-1-1 and RST-VBD 1A-1-2

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector according to

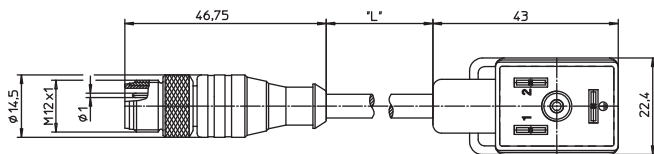
– DIN EN 175301-803, form B –



RST-VB 1A-1-1 and RST-VB 1A-1-2

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector similar to

– DIN EN 175301-803, industry standard form B –



Pin Assignments

M12					Wiring Diagram	
3 poles	VBD 1A-1-1	VBD 1A-1-2	VB 1A-1-1	VB 1A-1-2		VBD 1A / VB 1A
<p>1 = n.c. 2 = n.c. 3 = blue 4 = brown 5 = green/yellow</p>					<p>1 = brown 2 = blue ⊕ = green/yellow</p>	



Be Certain with Belden

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets
RST-VBD | RST-VB

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical (RST)

Housing / Molded body TPU
Insert TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Mechanical (VAD)

Housing / Molded body TPU
Insert PBT
Contact CuZn, nickel/tin plated

Electrical









Nominal current at 40°C 4 A
Nominal voltage 24 V
Rated voltage 32 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Varistor data (VBD / VB)

Nominal voltage 47 V at 0.1 mA
typ. limiting voltage 110 V at 5 A
max. pulse energy 0.9 Ws
max. continuous power loss 0.01 W
(standard impulse 10/1000us)

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B
241	PUR, halogen-free, spark-proof	3 x 0.50 mm ²	Black	5.0 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 5-3-VBD 1A-1-1-226/... M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 
RST 5-3-VBD 1A-1-1-241/... M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 
RST 5-3-VBD 1A-1-2-226/... M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 
RST 5-3-VBD 1A-1-2-241/... M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets

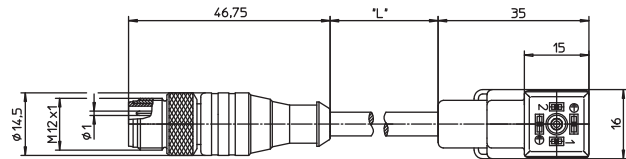
RST-VCD | RST-VC



RST-VCD 1A-1-3

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector according to

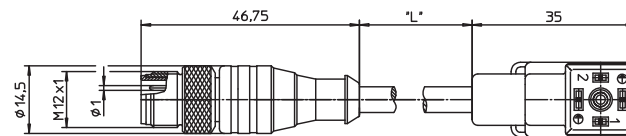
– DIN EN 175301-803, form C (8.0 mm) –



RST-VC 1A-1-3

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector similar to

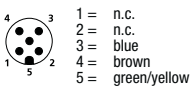
– DIN EN 175301-803, industry standard form C, (9.4 mm) –



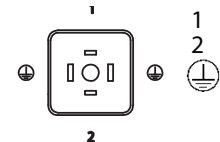
Pin Assignments

M12

3 poles



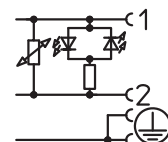
VCD 1A / VC 1A

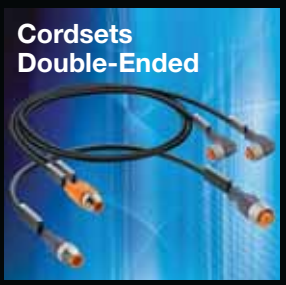


1 = brown
2 = blue
= green/yellow

Wiring Diagram

VCD 1A / VC 1A





Be Certain with Belden

M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets
RST-VCD | RST-VC

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical (RST)

Housing / Molded body TPU
Insert TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Mechanical (VAD)

Housing / Molded body TPU
Insert PBT
Contact CuZn, nickel/tin plated

Electrical





Nominal current at 40°C 4 A
Nominal voltage 24 V
Rated voltage 32 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Varistor data (VCD / VC)

Nominal voltage 47 V at 0.1 mA
typ. limiting voltage 110 V at 5 A
max. pulse energy 0.9 Ws
max. continuous power loss 0.01 W
(standard impulse 10/1000us)

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B
241	PUR, halogen-free, spark-proof	3 x 0.50 mm ²	Black	5.0 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 5-3-VCD 1A-1-3-226/... M RST 5-3-VC 1A-1-3-226/... M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 
RST 5-3-VCD 1A-1-3-241/... M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	 

M12-Splitters, Double-Ended, IEC Color Code

ASB 2-RKT | ASBA 2-RKT | ASB 2-RKWT

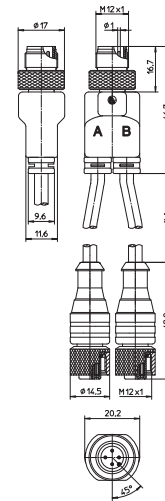


M12-Duo-Male - 2xM12-Female Str.

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female connectors with self-locking threaded joint.

– ASBA 2-RKT: with AND logic –

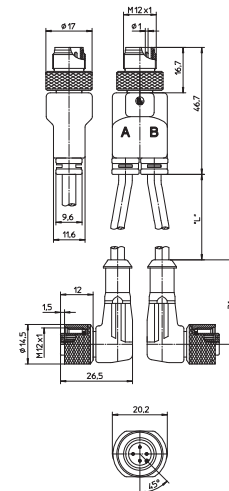
ASB 2-RKT | ASBA 2-RKT



M12-Duo-Male - 2xM12-Female 90°

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female right angle connectors with self-locking threaded joint.

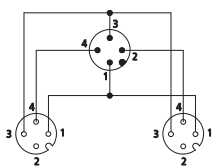
ASB 2-RKWT



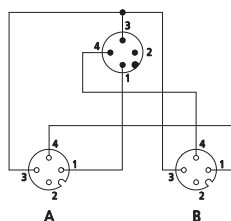
Pin Assignments

Wiring Diagrams

ASB 2 - RKT / ASB 2 - RKWT



ASBA 2 - RKT





Be Certain with Belden

M12-Splitters, Single- and Double-Ended, IEC Color Code

ASB 2-RKT | ASBA 2-RKT | ASB 2-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
 Insert TPU
 Contact ASB: CuZn, pre-nickeled and 0.8 microns gold-plated
 RKT / RKWT: CuZn, pre-nickeled and 0.3 microns gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM (only RKT / RKWT)

Electrical

Nominal current at 40°C 4 A per cable / 4 A max. total
 Nominal voltage 60 V
 Rated voltage 63 V
 Test voltage 1.5 kV eff. / 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 20327 / CSA: AWM I/II A/B
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RKT 4-3-224/...M ASB 2-RKWT 4-3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	
ASB 2-RKT 4-3-251/...M ASB 2-RKWT 4-3-251/...M		PUR, halogen-free welding spark proof	1 M / 1.5 M / 2 M	
ASBA 2-RKT 4-3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	

M12 / M8-Splitters, Double-Ended, IEC Color Code

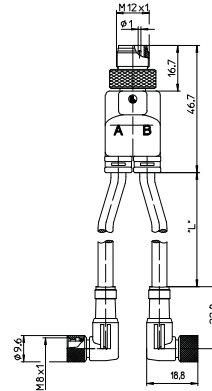
ASB 2-RKMWW/LED | ASB 2-RKWT/LED



M12-Duo-Male - 2xM8-Female 90° (LED)

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M8 female right angle connectors with LED operation and function indicator, self-locking threaded joint.

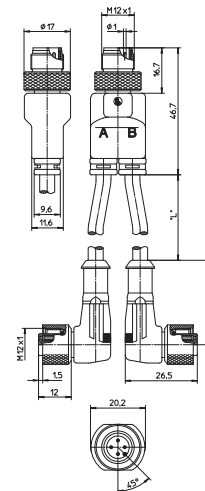
ASB 2-RKMWW/LED



M12-Duo-Male - 2xM12-Female 90° (LED)

Actuator/sensor cordset, double-ended, M12 Duo male connector and two M12 female right angle connectors with LED operation and function indicator, self-locking threaded joint.

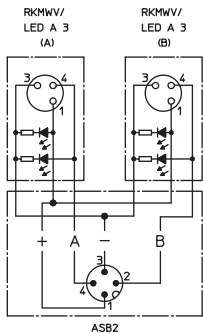
ASB 2-RKWT/LED



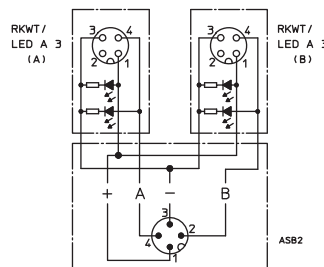
Pin Assignments

Wiring Diagrams

ASB 2 - RKMWW/LED



ASB 2 - RKWT/LED





Be Certain with Belden

M12 / M8-Splitters, Double-Ended, IEC Color Code
 ASB 2-RKMWW/LED | ASB 2-RKWT/LED

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
 Insert ASB / RKWT/LED: TPU
 RKMWW/LED: PA / TPU
 Contact ASB / RKWT/LED: CuZn, pre-nickeled and 0.8 microns gold-plated
 RKWT/LED: CuSn, pre-nickeled and 0.3 microns gold-plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM (only RKMWW/LED / RKWT/LED)

Electrical

Nominal current at 40°C 4 A per cable / 4 A max. total
 Nominal voltage 10-30 V DC
 Rated voltage 32 V
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)	UL: AWM 20327 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RKMWW/LED A 3-224/...M ASB 2-RKWT/LED A 3-224/...M	3	PUR, halogen-free	1 M / 1.5 M / 2 M	

M12-Splitters, Double-Ended, IEC Color Code

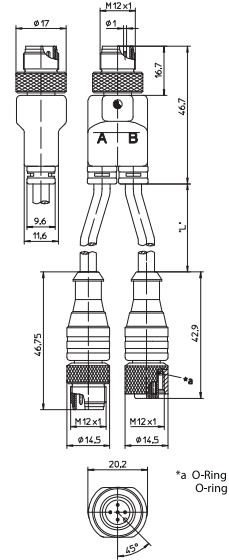
ASB 2-RST-RKT



M12-Duo-Male - 2xM12-Male/Female

Actuator/sensor cordset, double-ended, M12 Duo male connector with one M12 male connector and one M12 female connector, self-locking threaded joint.

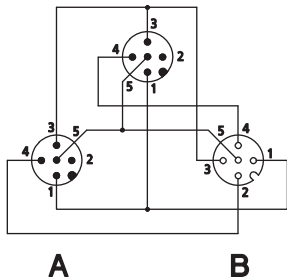
ASB 2-RST-RKT



Pin Assignments

Wiring Diagrams

ASB 2 - RST-RKT





Be Certain with Belden

M12-Splitters, Double-Ended, IEC Color Code
ASB 2-RST-RKT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body TPU
Insert TPI
Contact ASB / RST: CuZn, pre-nickeled and 0.8 microns gold-plated
RKT: CuZn, pre-nickeled and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM (only RKT)

Electrical

Nominal current at 40°C 4 A per cable / 4 A max. total
Nominal voltage 60 V
Rated voltage 63 V
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-RST 5-228/0.2-RKT 5-228/...M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	

M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code

ASB 2-VAD 1 A | ASB 2-VBD 1A

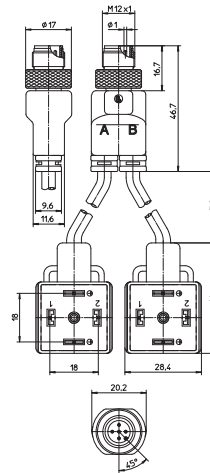


M12-Duo-Male - 2xDIN Valve

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form A –

ASB 2-VAD 1A

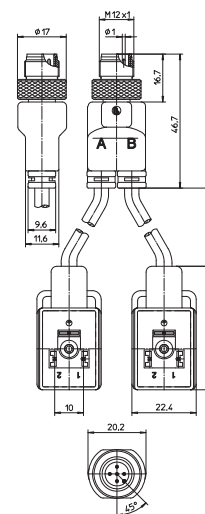


M12-Duo-Male - 2xDIN Valve

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form B –

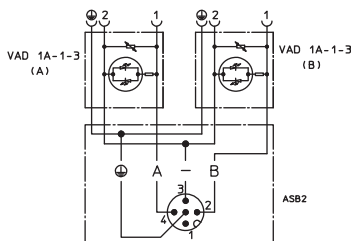
ASB 2-VBD 1A



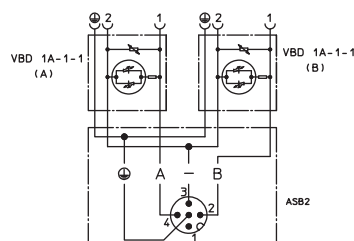
Pin Assignments

Wiring Diagrams

ASB 2 - VAD 1A



ASB 2 - VBD 1A





Be Certain with Belden

M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code
 ASB 2-VAD 1 A | ASB 2-VBD 1A

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range ASB: -25°C (-13°F) / +90°C (+194°F)
 VAD: -25°C (-13°F) / +80°C (+176°F)

Mechanical (ASB)

Housing / Molded body TPU, self-extinguishing
 Insert TPU, self-extinguishing
 Contact CuZn, pre-nickel and 0.8 microns gold-plated
 Coupling nut CuZn, nickel-plated

Mechanical (VAD / VBD)

Housing / Molded body TPU, self-extinguishing
 Insert PBT
 Contact CuZn, nickel plated and tin plated

Electrical



Nominal current at 40°C 4 A per cable / 4 A max. total
 Nominal voltage 24 V
 Rated voltage 32 V
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Varistor data (VAD / VBD)

Nominal voltage 47 V at 0.1 mA
 typ. limiting voltage 110 V at 5 A
 max. pulse energy 0.9 Ws
 (standard impulse 10/1000us)
 max. continuous power loss 0.01 W

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-VAD 1A-1-3-226/...M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	 
ASB 2-VBD 1A-1-1-226/...M				

M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code

ASB 2-VB 1 A | ASB 2-VC 1A

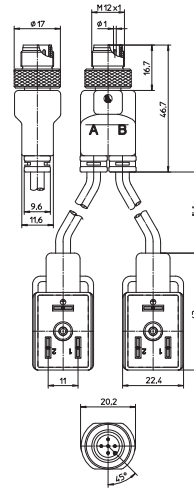


M12-Duo-Male - 2xDIN Valve

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form B –

ASB 2-VB 1 A

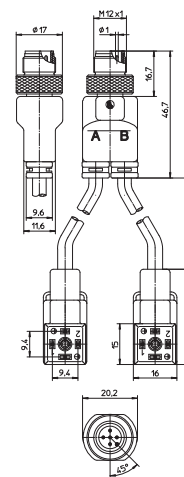


M12-Duo-Male - 2xDIN Valve

Actuator cordset, double-ended, M12 Duo male connector with self-locking threaded joint and two valve connectors according to

– DIN EN 175301-803, form C –

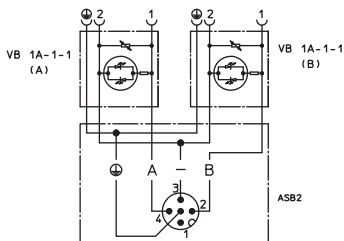
ASB 2-VC 1A



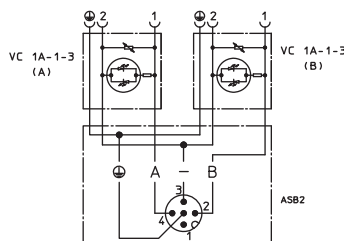
Pin Assignments

Wiring Diagrams

ASB 2 - VB 1A



ASB 2 - VC 1A





Be Certain with Belden

M12 / DIN Valve-Splitters, Double-Ended, IEC Color Code ASB 2-VB 1 A | ASB 2-VC 1A

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	ASB: -25°C (-13°F) / +90°C (+194°F) VAD: -25°C (-13°F) / +80°C (+176°F)

Mechanical (ASB)

Housing / Molded body	TPU, self-extinguishing
Insert	TPU, self-extinguishing
Contact	CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut	CuZn, nickel-plated

Mechanical (VAD / VBD)

Housing / Molded body	TPU, self-extinguishing
Insert	PBT
Contact	CuZn, nickel plated and tin plated

Electrical



Nominal current at 40°C	4 A per cable / 4 A max. total
Nominal voltage	24 V
Rated voltage	32 V
Insulation resistance	> 10 ⁹ Ω
Pollution degree	3

Varistor data (VAD / VBD)

Nominal voltage	47 V at 0.1 mA
typ. limiting voltage	110 V at 5 A
	max. pulse energy
(standard impulse 10/1000us)	0.9 Ws
max. continuous power loss	0.01 W

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm ²	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2-VB 1A-1-1-226/... M	5	PUR, halogen-free	1 M / 1.5 M / 2 M	 

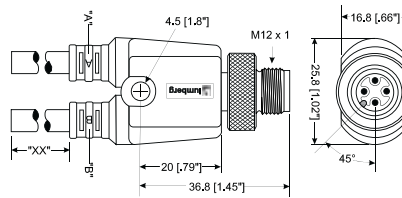
M12-Splitters, Single- and Double-Ended, IEC Color Code

ASB 2 | ASB 2-RKT | ASB 2-RKWT



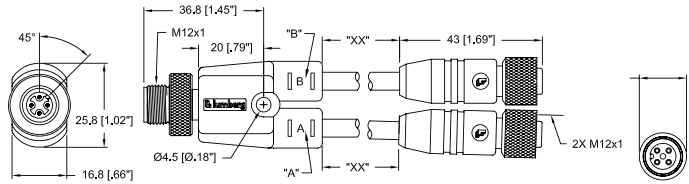
M12-Duo-Male to Open Leads

Splitter, single-ended, M12-duo, male straight with self-locking threaded joint and two open leads.



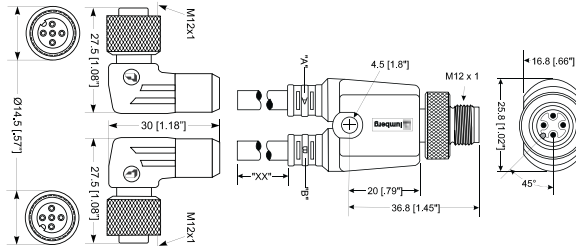
M12-Duo-Male to 2xM12 Female Str.

Splitter, double-ended, M12-duo, male straight to two M12, female straight connectors with self-locking threaded joint.



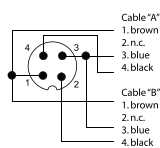
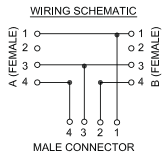
M12-Duo-Male to 2xM12 Female 90°

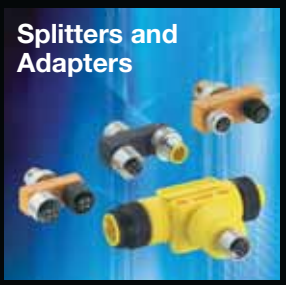
Splitter, double-ended, M12-duo, male straight to two M12, female 90° connectors with self-locking threaded joint.



Pin Assignments

Wiring Diagram





Be Certain with Belden

M12-Splitters, Single- and Double-Ended, IEC Color Code
 ASB 2 | ASB 2-RKT | ASB 2-RKWT

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range TPE: -40°C (-40°F) / +90°C (+194°F)
 PVC: -40°C (-40°F) / +90°C (+194°F)
 PUR: -40°C (-40°F) / +80°C (+176°F)

Mechanical (RST)





















Housing / Molded body TPU, yellow
 Insert TPU, black (RKT / RKWT)
 TPU, yellow (ASB 2)
 Contact CuZn, gold plated
 Coupling nut CuZn, nickel-plated
 O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
 Current rating 4 A
 Voltage rating 250 V

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
637	TPE	18AWG	Yellow	.280" (7.1 mm)	UL: AWM 20327 / CSA: AWM I/II A/B
643	TPE	22AWG	Yellow	.246" (6.2 mm)	UL: PLTC / CSA: AWM I/II A/B
632	PVC	22AWG	Yellow	.190" (4.8 mm)	UL: AWM 2661 / CSA: AWM I/II A/B
645	PUR	18AWG	Yellow	.220" (5.6 mm)	UL: AWM 20233 / CSA: AWM I/II A/B

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
ASB 2 4-3-632/...M		3	PVC	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
	ASB 2-RKT 4-3-632/...M ASB 2-RKWT 4-3-632/...M		PVC	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  
	ASB 2-RKT 4-3-637/...M ASB 2-RKWT 4-3-637/...M		TPE	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	     
	ASB 2-RKT 4-3-643/...M		TPE	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	    
	ASB 2-RKT 4-3-645/...M ASB 2-RKWT 4-3-645/...M		PUR	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	  

M12-Splitters, Double-Ended, IEC Color Code

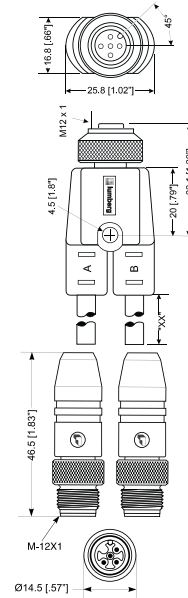
AKB 2-RST



M12-Duo-Female to 2xM12 Male Str.

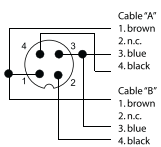
Splitter, double-ended, M12-duo, female straight to two M12, male straight connectors with self-locking threaded joint.

AKB 2-RST



Pin Assignments

Wiring Diagram





Be Certain with Belden

M12-Splitters, Single- and Double-Ended, IEC Color Code
AKB 2-RST

Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -15°C (+5°F) / +90°C (+194°F)

Mechanical (RST)

Housing / Molded body TPU, yellow
Insert TPU, black (AKB 2)
TPU, yellow (RST)
Contact CuZn, gold plated
Coupling nut CuZn, nickel-plated
O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
Current rating 4 A
Voltage rating 250 V

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
602	PUR	18AWG	Yellow	.230" (5.8 mm)	UL: AWM 20233 / CSA: AWM I/II A/B

Splitters and Adapters

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
AKB 2-RST 3-602/...M	3	PUR	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M / 5 M	