

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

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



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

RS

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



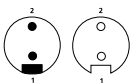
Mini, 7/8" single-ended cordsets, female straight, 2-, 3-, 4-, and 5-poles with internal threads and molded cable, IEC color code.

RK

### Pin Assignments

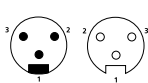
#### Mini, 7/8" - Male / Female

##### 2 poles



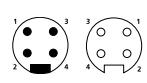
1 = brown  
2 = blue

##### 3 poles



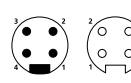
1 = black  
2 = brown  
3 = blue

##### 4 poles



Euro standard wiring  
for active I/O modules

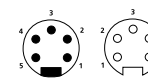
1 = brown  
2 = white  
3 = blue  
4 = black



Standard wiring for  
general US market

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



Cordsets  
Single-Ended

## 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
Continuous flex rating and suitable for general C-track usage. 1 million cycles at minimum bend radius 10X cable diameter.						
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	