

## 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.



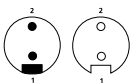
Mini, 7/8" single-ended cordsets, female straight, 2-, 3-, 4-, and 5-poles with internal threads and molded cable, IEC color code.

RK

### Pin Assignments

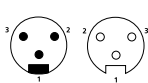
#### Mini, 7/8" - Male / Female

##### 2 poles



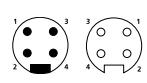
1 = brown  
2 = blue

##### 3 poles



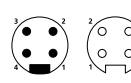
1 = black  
2 = brown  
3 = blue

##### 4 poles



Euro standard wiring  
for active I/O modules

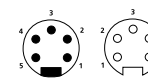
1 = brown  
2 = white  
3 = blue  
4 = black



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 |                 |