

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

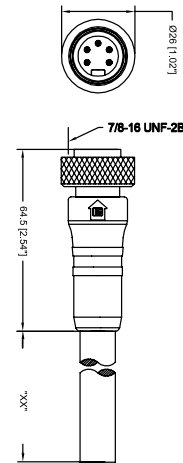
RS 301...501 | RK 30...50



**3- and 5-Poles**

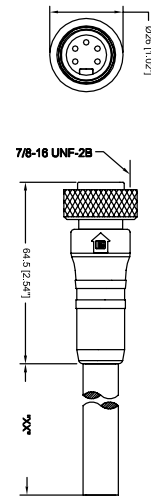
Mini, 7/8" single-ended cordsets, male straight, 3- and 5-poles with internal threads and molded cable, Automotive color code.

**RS**



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

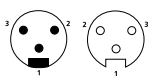
**RK**



**Pin Assignments**

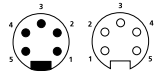
Mini, 7/8" - Male / Female

**3 poles**



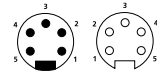
- 1 = green
- 2 = red w/black tr.
- 3 = red w/white tr.

**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



**Cordsets  
Single-Ended**

Cordsets  
Single-Ended

## 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 688/741/742: 8 A  
755: 5.6 A  
Voltage rating 741/742: 600 V  
688/755: 300 V

### Cable Specifications - Automotive Color Code

| Cable No. | Outer Jacket | Gauge | Jacket Color | OD              | Temperature Rating              | Agency Approvals              |
|-----------|--------------|-------|--------------|-----------------|---------------------------------|-------------------------------|
| 688       | PVC          | 18AWG | Yellow       | .290" (7.4 mm)  | -40°C (-40°F) to +105°C (221°F) | UL: AWM2661                   |
| 741       | TPE          | 16AWG | Yellow       | .390" (9.9 mm)  | -40°C (-40°F) to +105°C (221°F) | UL: SEOOW / CSA: ST00W        |
| 742       | TPE          | 16AWG | Yellow       | .495" (12.6 mm) | -40°C (-40°F) to +105°C (221°F) | UL: SEOOW / 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 301-688/...F    RK 30-688/...F | 3    | PVC          | 6 F / 12 F / 15 F / 20 F / 30 F |      |
| 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 |     |