

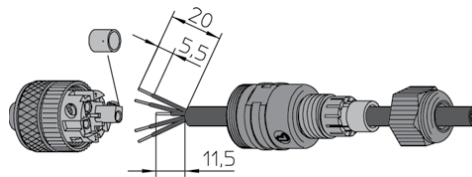
## M12 Field Attachable Connectors

RSC | RKC

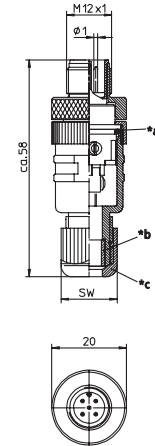


### Male, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 male connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RSC

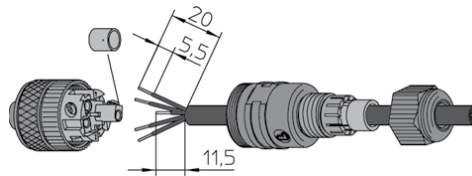


\*a O-Ring  
\*b gasket  
\*c cap nut

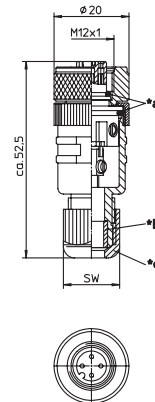


### Female, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 female connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RKC

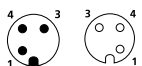


\*a O-Ring  
\*b gasket  
\*c cap nut

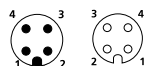
## Pin Assignments

Face Views / M12, Male / Female

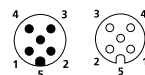
### 3 pole



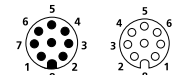
### 4 pole



### 5 pole



### 8 pole





# Be Certain with Belden

## M12 Field Attachable Connectors

RSC | RKC

### Technical Data

#### Environmental

|                             |                                |
|-----------------------------|--------------------------------|
| Degree of protection        | IP 67 / NEMA 6P                |
| Operating temperature range | -25°C (-13°F) / +90°C (+194°F) |

#### Mechanical

|                       |                                        |
|-----------------------|----------------------------------------|
| Housing / Molded body | PBT                                    |
| Insert                | PBT                                    |
| Contact               | CuZn, pre-coppered, CuSnZn             |
|                       | 8-poles pre-nickel-plated, gold-plated |
| Receptacle shell      | CuZn, nickel-plated                    |
| O-ring                | FKM                                    |
| Mode of connection    | Screw terminals                        |
| Connectable conductor | 3-5 poles max. 0.75 mm <sup>2</sup>    |
|                       | 8 poles max. 0.50 mm <sup>2</sup>      |

#### 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 poles 1.5 kV eff. / 60 s   |
|                         | 8 poles 0.9 kV eff. / 60 s   |
| Insulation resistance   | > 10 <sup>9</sup> Ω          |
| Pollution degree        | 3                            |

| Part Number |           | Pins | Cable Diameter Range | Characteristics                                                                                                                                                             |
|-------------|-----------|------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Male        | Female    |      |                      |                                                                                                                                                                             |
| RSC 3/7     | RKC 4/3/7 | 3    | Ø 3.0-6.5 mm /SW 15  |   |
| RSC 3/9     | RKC 4/3/9 |      | Ø 4.0-8.0 mm /SW 19  |   |
| RSC 4/7     | RKC 4/7   | 4    | Ø 3.0-6.5 mm /SW 15  |   |
| RSC 4/9     | RKC 4/9   |      | Ø 4.0-8.0 mm /SW 19  |   |
| RSC 5/7     | RKC 5/7   | 5    | Ø 3.0-6.5 mm /SW 15  |   |
| RSC 5/9     | RKC 5/9   |      | Ø 4.0-8.0 mm /SW 19  |   |
| RSC 8/9     | RKC 8/9   | 8    | Ø 4.0-8.0 mm /SW 19  |                                                                                        |