

## RCX3F-Z

3 pole female XLR cable connector with IP65 dust-water proof design.



### Features & Benefits

- IP65 rating provides outdoor protection under mated condition
- Chrome & Black plated with fashionable finish and better abrasion performance
- UL94 V-0 rated materials

### Article Variations

| Article Name    | Details                                    | Packaging          |
|-----------------|--|--------------------|
| RCX3F-Z-000-0/1 | Chrome plated housing, tin plated contacts | BULK / Plastic Bag |
| RCX3F-Z-001-0/1 | Black plated housing, tin plated contacts  | BULK / Plastic Bag |
| RCX3F-Z-002-0/1 | Black plated housing, gold plated contacts | BULK / Plastic Bag |

## Technical Information

### Product

|                        |         |
|------------------------|---------|
| <b>Title</b>           | RCX3F-Z |
| <b>Connection Type</b> | XLR     |
| <b>Gender</b>          | female  |

### Electrical

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Contact resistance</b>        | $\leq 5 \text{ m}\Omega$         |
| <b>Dielectric strength</b>       | 1,5 kVdc                         |
| <b>Insulation resistance</b>     | $> 10 \text{ G}\Omega$ (Initial) |
| <b>Rated current per contact</b> | 16 A                             |
| <b>Rated voltage</b>             | $< 50 \text{ V}$                 |

### Mechanical

|                         |                         |
|-------------------------|-------------------------|
| <b>Cable O.D.</b>       | 5.0 - 8.0 mm            |
| <b>Insertion force</b>  | $\leq 60 \text{ N}$     |
| <b>Withdrawal force</b> | $\leq 60 \text{ N}$     |
| <b>Lifetime</b>         | $> 1000$ cycles         |
| <b>Wiresize</b>         | Max 1.5 mm <sup>2</sup> |
| <b>Wiresize</b>         | Max 16 AWG              |
| <b>Wiring</b>           | Solder contacts         |
| <b>Locking device</b>   | Latch lock              |

| <b>Material</b>        |                                     |
|------------------------|-------------------------------------|
| <b>Bushing</b>         | Polyamide                           |
| <b>Contact plating</b> | Tin (-000 & -001) / AU (-002)       |
| <b>Contacts</b>        | Bronze                              |
| <b>Insert</b>          | Polyamide (UL94-V0)                 |
| <b>Locking element</b> | Zinc diecast (latch)                |
| <b>Shell</b>           | Zinc diecast                        |
| <b>Shell plating</b>   | Chrome (-000) / Black (-001 & -002) |
| <b>Strain relief</b>   | Polyamide                           |
| <b>Sealing jacket</b>  | Rubber                              |

| <b>Environmental</b>       |                           |
|----------------------------|---------------------------|
| <b>Flammability</b>        | UL 94-V0                  |
| <b>Protection class</b>    | IP65 (Mated)              |
| <b>Standard compliance</b> | IEC 61076-2-103           |
| <b>Solderability</b>       | Complies with IEC 68-2-20 |
| <b>Temperature range</b>   | -20 °C to +70 °C          |