



ENGLISH

M12 Connectivity

M12, 3 pole, 90°, female connector to open ended lead

Stock No's 174-7853, 174-7854



Primary Features

Knurled and hexagonal combination nut ensures secure connection

Integrated corrugated conduit locking system

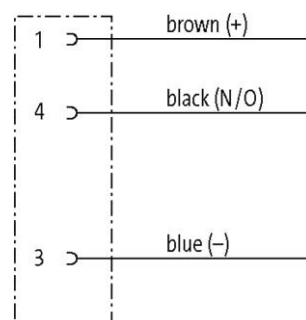
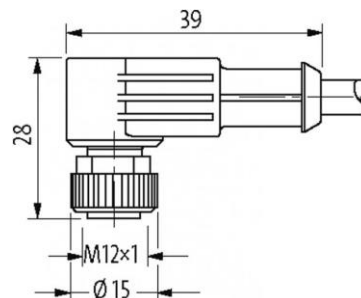
IP65, IP67 when inserted and tightened

UL and CSA approved

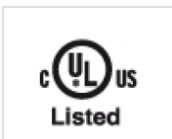
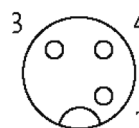
Available in lengths:

2 Meters (RS 174-7853)

5 Metres (RS 174-7854)



Female





Cable

174-7853, 174-7854

| | |
|------------------------------------|--|
| No./diameter of wires | 3 × 0.34 mm ² |
| Wire isolation | PVC (br, bl, bk) |
| Material (jacket) | PVC (UL/CSA) |
| Outer Ø | 4.6 mm ±5% |
| Bend radius (moving) | 10 × outer Ø |
| Temperature range (fixed) | -30...+80 °C |
| Temperature range (mobile) | -5...+80 °C |
| Cable identification | 613 |
| Cable type | 1 (PVC) |
| Approval (cable) | UL (AWM-Style 2464/1731), CSA |
| Cable weight [g/m] | 34,10 |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 60 Ohm/km (20 °C) |
| Single wire Ø (core) | 0.15 mm |
| Construction (core) | 19 × 0.15 mm (multi-strand wire class 5) |
| AWG | similar to AWG 22 |
| Material (wire isolation) | PVC |
| Material property (wire isolation) | CFC-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 45 ±5 D |
| Wire-Ø incl. isolation | 1.25 mm ±5% |
| Color/numbering of wires | br, bk, bl |
| Stranding combination | 3 wires twisted |
| Shield | no |
| Material (jacket) | PVC |
| Material property (jacket) | CFC-, cadmium-, silicone- and lead-free |
| Shore hardness (jacket) | 85 ±5 A |
| Outer-Ø (jacket) | 4.6 mm ±5% |
| Color (jacket) | black |
| chemical resistance | good resistance to oil, gasoline and chemicals |
| Nominal voltage | UL 300 V AC |



Cable *continued*

174-7853, 174-7854

| | |
|----------------------------|-------------------|
| Test voltage | 2000 V AC |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -30...+80 °C |
| Temperature range (mobile) | -5...+80 °C |
| Bend radius (fixed) | 5 × outer Ø |
| Bend radius (moving) | 10 × outer Ø |
| Jacket Color | black |

Technical Data

| | |
|---|---|
| Operating voltage | max. 250 V AC/DC |
| Operating voltage (only UL listed) | max. 30 V AC/DC |
| Operating current per contact | max. 4 A |
| Rated surge voltage | 2.5 kV |
| Material group | IEC 60664-1, category I |
| No. of poles | 3 |
| Coding | A-coded |
| Locking of ports | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing |
| Compression gland | M12 (SW13) |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Locking material | Zinc die casting, matte nickel plated |
| Material | PUR |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Standards | DIN EN 61076-2-101 (M12) |
| Pollution Degree | 3 |
| Mounting method | inserted, tightened |
| Stripping length (jacket) | 20 mm |
| Temperature range | -25...+85 °C, depending on cable quality |