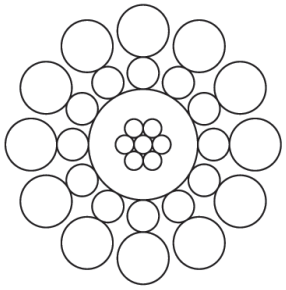

camesa®

# 3/16” (4.70 mm) MONOCONDUCTOR
# 1L18

**PROPERTIES:**

| | | |
|---|---|---|
| Cable Diameter: | 0.185” +0.004” -0.002” | (4.70mm + 0.10mm -0.05mm) |
| Minimum Sheave Diameter: | 14” | (36 cm) |
| Cable Stretch Coefficient | 3.0 ft/Kft/Klbs | (3.37 m/Km/5KN) |

**ELECTRICAL:**

| | | |
|---|---|---|
| Maximum Conductor Voltage | 1,000 VDC | |
| Conductor AWG Rating | 20 | |
| Minimum Insulation Resistance | 1,500 MegaΩ/Kft @ 500VDC | (457 MegaΩ/Km @ 500VDC) |
| Armor Electrical Resistance: | 6.0 Ω/Kft | (19.7 Ω/Km) |

**MECHANICAL:**

| | | |
|---|---|---|
| **Cable Breaking Strength:** | | |
| Ends Fixed: | 4,000 lbs | (17.8 KN) Nominal |
| **Maximum Suggested Working Tension:** | 1,800 lbs | (8.8 KN) Nominal |
| **Number and Size of Wires:** | | |
| Inner Armor | 12 x 0.0220” | (0.559 mm) |
| Outer Armor | 12 x 0.0358” | (0.909 mm) |
| **Average Wire Breaking Strength:** | | |
| Inner Armor | 103 lbs | (0.46 KN) |
| Outer Armor | 272 lbs | (1.21 KN) |

| Cable Type | Core Description | | | | | | | Cable Weight | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Temp Rating | Plastic Type | Insulation Thickness | Copper Construction | Res Typical | Cap. Typical | O.D. Each | in Air | in H2O | Spec. Gravity |
| | °F<br>°C | | in<br>mm | in<br>mm | Ω/Kft<br>Ω/Km | pf/ft<br>pf/m | in<br>mm | lbs/Kft<br>Kg/Km | | |
| **1L18RP** | **300**<br>149 | **Poly** | **0.019**<br>0.483 | **7x0.0128**<br>7x0.325 | **9.4**<br>30.8 | **53**<br>174 | **0.076**<br>1.930 | **66**<br>98 | **56**<br>83 | **6.84** |
| **1L18RZ** | **500**<br>260 | **ETFE** | **0.019**<br>0.483 | **7x0.0128**<br>7x0.325 | **9.4**<br>30.8 | **63**<br>207 | **0.076**<br>1.930 | **67**<br>100 | **57**<br>85 | **6.93** |

* The armor wires are high tensile, Galvanized Extra Improved Plow Steel (GEIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
* Core assembly – Copper strand consists of six wires around one center wire. Conductor resistance is measured at 68° F. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration.
* SUPERSEAL, a special pressure seal agent, is applied between armor layers.
* The temperature rating assumes a normal gradient for both temperature and weight.
* All values shown are nominal or typical values.