

## 0,31" (7,9 mm) monoconductor



| Nº | Properties       | Description                                |                             | O.D. mm<br>Metric | O.D. "<br>Imperial |
|----|------------------|--------------------------------------------|-----------------------------|-------------------|--------------------|
| 1  | Copper Conductor | Soft copper (2,75 mm <sup>2</sup> ) 13 AWG | 19 x 0,43 mm<br>19 x 0,017" | 2,15              | 0,084              |
| 2  | Isulation        | FEP                                        | Δ=0,42 mm<br>Δ=0,016"       | 3,0               | 0,118              |
| 3  | Isulation        | ETFE                                       | Δ=0,25 mm<br>Δ=0,009"       | 3,5               | 0,137              |
| 4  | Inner Armor      | Number and Size of Wires                   | 12 x 1,1 mm<br>12 x 0,043"  | 5,7               | 0,224              |
| 5  | Outer Armor      | Number and Size of Wires                   | 18 x 1,1 mm<br>18 x 0,043"  | 7,9               | 0,311              |

|                                            |                                                                       |                                  |
|--------------------------------------------|-----------------------------------------------------------------------|----------------------------------|
| Cable Diameter                             | 7,9 mm<br>+0,13mm -0,05mm                                             | 0,311"<br>+0,005" -0,002"        |
| Minimum Sheave Diameter                    | 460 mm                                                                | 18,11"                           |
| Cable Weight, (in Air)                     | 276 kg/km                                                             | 185,5 lbs/kft                    |
| (in H <sub>2</sub> O)                      | 237 kg/km                                                             | 159,3 lbs/kft                    |
| Temperature Rating                         | 1 hr. Max Temp<br>8 hr. Max Temp<br>24 hr. Max Temp<br>Cont. Max Temp | 200°C<br>190°C<br>175°C<br>170°C |
|                                            |                                                                       | 392°F<br>374°F<br>347°F<br>338°F |
| Cable Breaking Strength Ends Fixed         | 47 KN                                                                 | 10565 lbs                        |
| Maximum Suggested Working Tension          | 23 KN                                                                 | 5170 lbs                         |
| Average Wire Breaking Strength Inner Armor | 1,86 KN                                                               | 418 lbs                          |
| Average Wire Breaking Strength Outer Armor | 1,86 KN                                                               | 418 lbs                          |
| Maximum Conductor Voltage                  | 1200 VDC                                                              |                                  |
| Recommended Operating Conductor Voltage    | 500 VDC                                                               |                                  |
| Conductor Typical Resistance               | 7,5 Ω/km                                                              | 2,3 Ω/Kft                        |
| Minimum Insulation Resistance              | 2000 MegaΩ/km                                                         | 500 MegaΩ/Kft                    |

- The armor wire are high tensile, Galvanized Extra Improved Plow Steel (GEIPS) and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
- All values shown are nominal or typical values.