

0,25" (6,35 mm) monoconductor



Nº	Properties	Description		O.D. mm Metric	O.D. " Imperial
1	Copper Conductor	Soft copper (1,35 mm ²) 16 AWG	19 x 0,3 mm 19 x 0,011"	1,5	0,059
2	Isulation	FEP	Δ=0,25 mm Δ=0,009"	2,0	0,078
3	Isulation	ETFE	Δ=0,37 mm Δ=0,014"	2,75	0,108
4	Inner Armor	Number and Size of Wires	12 x 0,9 mm 12 x 0,035"	4,55	0,179
5	Outer Armor	Number and Size of Wires	18 x 0,9 mm 18 x 0,035"	6,35	0,249

Cable Diameter		6,35 mm +0,13mm -0,05mm	0,249" +0,005" -0,002"
Minimum Sheave Diameter		350 mm	13,77"
Cable Weight, (in Air)		180 kg/km	121,0 lbs/kft
(in H ₂ O)		154 kg/km	103,5 lbs/kft
Temperature Rating	1 hr. Max Temp	200°C	392°F
	8 hr. Max Temp	190°C	374°F
	24 hr. Max Temp	175°C	347°F
	Cont. Max Temp	170°C	338°F
Cable Breaking Strength Ends Fixed		31 KN	6968 lbs
Maximum Suggested Working Tension		15 KN	3372 lbs
Average Wire Breaking Strength Inner Armor		1,24 KN	278 lbs
Average Wire Breaking Strength Outer Armor		1,24 KN	278 lbs
Maximum Conductor Voltage		1400 VDC	
Recommended Operating Conductor Voltage		500 VDC	
Conductor Typical Resistance		14,1 Ω/km	4,3 Ω/Kft
Minimum Insulation Resistance		15000 MegaΩ/km	4573 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.