

0,42" (10,8 mm) 7-conductor



Nº	Properties	Description		O.D. mm Metric	O.D. " Imperial
1	Copper Conductor	Soft copper (0,5 mm ²) 20 AWG	7 x 0,32 mm 7 x 0,012"	0,96	0,037
2	Isulation	Poly	Δ=0,46 mm Δ=0,018"	1,88	0,074
3	Core assembly	Conductive composition and string			
4	Tape Type	PET		5,6	0,220
5	Inner Armor	Number and Size of Wires	18 x 1,1 mm 18 x 0,043"	7,8	0,307
6	Outer Armor	Number and Size of Wires	18 x 1,5 mm 18 x 0,059"	10,8	0,425

Cable Diameter		10,8 mm +0,13mm -0,05mm	0,425" +0,005" -0,002"
Minimum Sheave Diameter		610 mm	24,01"
Cable Weight, (in Air)		469 kg/km	315,1 lbs/kft
(in H ₂ O)		395 kg/km	265,4 lbs/kft
Temperature Rating	1 hr. Max Temp	150°C	302°F
	8 hr. Max Temp	135°C	275°F
	24 hr. Max Temp	120°C	248°F
	Cont. Max Temp	110°C	230°F

Cable Breaking Strength Ends Fixed	81 KN	18208 lbs
Maximum Suggested Working Tension	40 KN	8992 lbs
Average Wire Breaking Strength Inner Armor	1,86 KN	418 lbs
Average Wire Breaking Strength Outer Armor	3,46 KN	777 lbs

Maximum Conductor Voltage	1200 VDC
Recommended Operating Conductor Voltage	500 VDC
Conductor Typical Resistance	32,2 Ω/km 9,8 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.