



**3/8" (9.65 mm)
MONOCONDUCTOR
1N38**

PROPERTIES:

Cable Diameter:	0.380" +0.006" - 0.002"	(9.65mm + 0.15mm - 0.05mm)
Minimum Sheave Diameter:	21"	(53 cm)
Cable Stretch Coefficient	1.0 ft/Kft/Klbs	(1.12 m/Km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1,500 VDC	
Conductor AWG Rating	15	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500VDC	(457 MegaΩ/Km @ 500VDC)
Armor Electrical Resistance:	1.5 Ω/Kft	(4.92 Ω/Km)

MECHANICAL:
Cable Breaking Strength:

Ends Fixed:	15,000 lbs	(66.7 KN)	Nominal
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Maximum Suggested Working Tension:

7,500 lbs	(33.4 KN)
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Number and Size of Wires:

Inner Armor	12 x 0.0525"	(1.334 mm)
Outer Armor	18 x 0.0525"	(1.334 mm)

Average Wire Breaking Strength:

Inner Armor	585 lbs	(2.60 KN)
Outer Armor	585 lbs	(2.60 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 °C		in mm	in mm	Ω/Kft Ω/Km	pf/ft pf/m	in Mm	lbs/Kft Kg/Km								
1N38PP	300	Poly	0.056	19x0.0142	2.8	39	0.183	258	217	6.22						
	149		1.422					19x0.361	9.2		128	4.648	384	323		
1N38PXZ	420 216	Camtane ETFE	0.027	19x0.0142	2.8	42	0.125	264	223	6.37						
			0.586								19x0.361	9.2	137	3.175	393	233
			0.029 0.737											4.648		
1N38PTZ	500 260	FEP ETFE	0.027	19x0.0142	2.8	39	0.125	269	227	6.48						
			0.586								19x0.361	9.2	128	3.175	400	338
			0.029 0.737											4.648		

- * 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 and cables are post tensioned.
- * Core assembly – Copper strand consists of a total of nineteen wires. 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.