

1-FT-322-12/18-77-19



Corrosion Resistant

- 5/16" (8.18 mm) Mono Conductor Cable
- Temperature Rating 500 °F (260°C)
- Conductor – Cu-Ni
- Insulation – FEP/ETFE
- Armor - Alloy 77

Construction Characteristics	English	Metric
Conductor – 15 AWG , 19 x 0.0142":	0.071"	1.803 mm
Wall Thickness:	0.042"	1.067 mm
Insulation – OD:	0.155"	3.937 mm
Armor – Inner : 12 Wires 0.0445":	0.233"	5.918 mm
Armor – Outer : 18 Wires 0.0445":	0.322"	8.179 mm

Mechanical Characteristics	English	Metric
Weight in Air:	197 lbs/kft	293 kg/km
Weight in Water:	168 lbs/kft	250 kg/km
Breaking Strength (Ends Fixed):	10,400 lbs	4,717 kg
Working Load (Maximum):	5,200 lbs	2,360 kg
Temperature Rating (Maximum):	500 °F	260 °C
Suggested Minimum Sheave:	18" dia.	457 mm
Outside Diameter:	0.322 $\frac{+ .005"}{-0.002"}$	8.18 $\frac{+ 0.127 \text{ mm}}{-0.051 \text{ mm}}$
Stretch Coefficient:	1.2 ft/kft/klb	1.35 m/km/5kN

Electrical Characteristics	English	Metric
Voltage Rating:	1,500 VDC	1,500 VDC
DC Conductor Resistance at 68°F (20°C):	3.3 Ω/kft	10.8 Ω/km
DC Armor Resistance at 68°F (20°C):	11.0 Ω/kft	36.0 Ω/km
Capacitance Conductor to Armor:	48 pF/ft	159 pF/m
Minimum Insulation Resistance:	1,500 MΩ*kft	457 MΩ*km

The temperature rating is for the insulation material. WARNING: Corrosion resistant steel loses its elastic properties after 425 °F (218 °C). The cable is not recommended for use above this temperature as permanent deformation may occur. Copyright © 2009