

1-FT-322-12/18-35N-19



Corrosion Resistant

- 5/16" (8.18 mm) Mono Conductor Cable
- Temperature Rating 500 °F (260°C)
- Conductor – Cu-Ni
- Insulation – FEP/ETFE
- Armor –MP35N

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:	206 lbs/kft	307 kg/km
Weight in Water:	176 lbs/kft	262 kg/km
Breaking Strength (Ends Fixed):	11,000 lbs	4,990 kg
Working Load (Maximum):	5,500 lbs	2,495 kg
Temperature Rating (Maximum):	500 °F	260 °C
Suggested Minimum Sheave:	18" dia.	457 mm
Outside Diameter:	0.322 $\frac{+.005"}{-0.002"}$	8.179 $\frac{+0.127\text{ mm}}{-0.051\text{ mm}}$
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 Ω/kft	36 Ω/km
Capacitance Conductor to Armor:	48 pF/ft	159 pF/m
Minimum Insulation Resistance:	1,500 MΩ*kft	457 MΩ*km