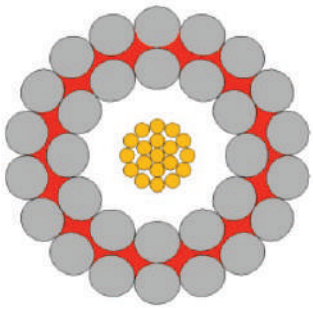
5/16" 322 MONOCONDUCTOR EHS (12/18)

8.18 mm



CONDUCTOR: Copper, Water Blocked.
INSULATION: FEP/ETFE.
ARMOR: Galvanized high strength steel (GEIPS) preformed and coated with a corrosion preventative lubricant compound.

Special Sealant is applied between armor layers.

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

Mechanical Characteristics		English		Metric
Weight in Air		195 lb/kft		290 kg/km
Weight in Water		165 lb/kft		245 kg/km
Minimum Breaking Strength, Ends Fixed		14,500 lbf		64.50 kN
Minimum Wire Break Strength (In/Out)		520/520 lbf		2313/2313 N
Maximum Working Load		7,975 lbf		35.47 kN
Temperature Rating (Maximum)		500°F		260°C
Suggested Minimum Sheave	dia.	18"		457 mm
Stretch Coefficient (Nominal)		1 ft/kft/klb		1.12 m/km/5kN
Outside Diameter	0.322"	+0.005" -0.002"	8.18 mm	+0.127 mm -0.051 mm

Electrical Characteristics	English	Metric
1ZFTL		
Temperature Rating	1 hr 500° / 8 hr 450° / Cont. 400°	1 hr 260° / 8 hr 232° / Cont. 204°
Voltage Rating	1500 VDC	1500 VDC
D.C. Conductor Resistance at 68° F (20° C) (Maximum)	2.7 Ω/kft	8.9 Ω/km
D.C. Armor Resistance at 68° F (20° C) (Maximum)	2.1 Ω/kft	6.9 Ω/km
Capacitance Conductor to Armor (Maximum)	48 pf/ft	157 pf/m
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft	5000 MΩ/km