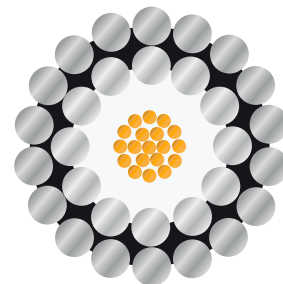


5/16" 322 MONOCONDUCTOR HS (12/18)

7.32 mm

- CONDUCTOR:** Copper, Water Blocked.
INSULATION: Polypropylene (1ZPL)
 ECCTREME (1ZETL)
 FEP/ETFE (1ZFTL)
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	246 kg/km
Minimum Breaking Strength, Ends Fixed		12,400 lbf	55.16 kN
Minimum Wire Break Strength (In/Out)		451/451 lbf	2006/2006 N
Maximum Working Load		6,820 lbf	30.34 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"	+0.127 mm
		-0.002"	-0.051 mm

Electrical Characteristics	Temperature Rating			Voltage Rating	D.C. Conductor Resistance at 68° F (20° C) (Maximum)	D.C. Armor Resistance at 68° F (20° C) (Maximum)	Capacitance Conductor to Armor (Maximum)	Insulation Resistance (Minimum) @ 500 VDC
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English System								
	1 hr	8 hr	Cont.	Voltage Rating	D.C. Conductor Resistance at 68° F (20° C) (Maximum)	D.C. Armor Resistance at 68° F (20° C) (Maximum)	Capacitance Conductor to Armor (Maximum)	Insulation Resistance (Minimum) @ 500 VDC
1ZPL	300°	275°	250°	1500 VDC	2.7 Ω/kft	2.1 Ω/kft	49 pf/ft	1500 MΩ/kft
1ZETL	600°	550°	500°	1500 VDC	2.7 Ω/kft	2.1 Ω/kft	48 pf/ft	1500 MΩ/kft
1ZFTL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.1 Ω/kft	48 pf/ft	1500 MΩ/kft
1ZATL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.1 Ω/kft	45 pf/ft	1500 MΩ/kft

Metric System								
	1 hr	8 hr	Cont.	Voltage Rating	D.C. Conductor Resistance at 68° F (20° C) (Maximum)	D.C. Armor Resistance at 68° F (20° C) (Maximum)	Capacitance Conductor to Armor (Maximum)	Insulation Resistance (Minimum) @ 500 VDC
1ZPL	149°	135°	121°	1500 VDC	8.9 Ω/km	6.9 Ω/km	161 pf/m	5000 MΩ/km
1ZETL	315°	288°	260°	1500 VDC	8.9 Ω/km	6.9 Ω/km	157 pf/m	5000 MΩ/km
1ZFTL	260°	232°	204°	1500 VDC	8.9 Ω/km	6.9 Ω/km	157 pf/m	5000 MΩ/km
1ZATL	260°	232°	204°	1500 VDC	8.9 Ω/km	6.9 Ω/km	148 pf/m	5000 MΩ/km