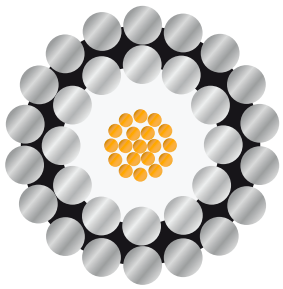
9/32" 288 MONOCONDUCTOR HS (12/18)

7.32 mm

CONDUCTOR: Copper, Water Blocked.
INSULATION: Polypropylene (1ZPL)
ETFE (1ZTL)
ECCTREME (1ZETL)
FEP/ETFE (1ZFTL)
PFA/ETFE (1ZATL)
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:		0.033"	0.826 mm
Insulation - OD:	dia.	0.136"	3.454 mm
Armor – Inner: 12 wires 0.0405"	dia.	0.207"	5.258 mm
Armor – Outer: 18 wires 0.0405"	dia.	0.288"	7.315 mm

Mechanical Characteristics		English		Metric
Weight in Air		160 lb/kft		238 kg/km
Weight in Water		138 lb/kft		205 kg/km
Minimum Breaking Strength, Ends Fixed		10,400 lbf		46.26 kN
Minimum Wire Break Strength (In/Out)		375/375 lbf		1668/1668 N
Maximum Working Load		5,720 lbf		25.44 kN
Temperature Rating (Maximum)		500°F		260°C
Suggested Minimum Sheave	dia.	16"		406 mm
Stretch Coefficient (Nominal)		1.2 ft/kft/klb		1.35 m/km/5kN
Outside Diameter	0.288"	+0.005" -0.002"	7.32 mm	+0.127 mm -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
English System								
	1 hr	8 hr	Cont.					
1ZPL	300°	275°	250°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	58 pf/ft	1500 MΩ/kft
1ZTL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	64 pf/ft	1500 MΩ/kft
1ZETL	600°	550°	500°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	58 pf/ft	1500 MΩ/kft
1ZFTL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	58 pf/ft	1500 MΩ/kft
1ZAL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	54 pf/ft	1500 MΩ/kft
1ZATL	500°	450°	400°	1500 VDC	2.7 Ω/kft	2.7 Ω/kft	58 pf/ft	1500 MΩ/kft
Metric System								
1ZPL	149°	135°	121°	1500 VDC	8.9 Ω/km	8.9 Ω/km	190 pf/m	5000 MΩ/km
1ZTL	260°	232°	204°	1500 VDC	8.9 Ω/km	8.9 Ω/km	210 pf/m	5000 MΩ/km
1ZETL	315°	288°	260°	1500 VDC	8.9 Ω/km	8.9 Ω/km	190 pf/m	5000 MΩ/km
1ZFTL	260°	232°	204°	1500 VDC	8.9 Ω/km	8.9 Ω/km	190 pf/m	5000 MΩ/km
1ZAL	260°	232°	204°	1500 VDC	8.9 Ω/km	8.9 Ω/km	177 pf/m	5000 MΩ/km
1ZATL	260°	232°	204°	1500 VDC	8.9 Ω/km	8.9 Ω/km	190 pf/m	5000 MΩ/km