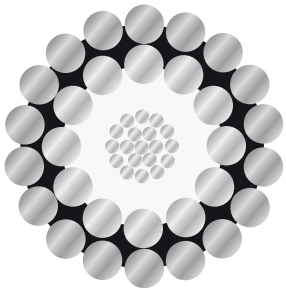
9/32" 288 MONOCONDUCTOR S77 (12/18)

7.32 mm

CONDUCTOR: Copper, Water Blocked.
INSULATION: PFA/ETFE.
ARMOR: SUPA 75 (UNS N08926)

Special Seal 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		167 lb/kft	248 kg/km
Weight in Water		142 lb/kft	211 kg/km
Minimum Breaking Strength, Ends Fixed		8,900 lbf	39.59 kN
Minimum Wire Break Strength (In/Out)		320/320 lbf	1423/1423 N
Maximum Working Load		4,895 lbf	21.77 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	16"	406 mm
Stretch Coefficient (Nominal)		1.3 ft/kft/klb	1.46 m/km/5kN
Outside Diameter	0.288″	+0.005" -0.002"	7.32 mm +0.127 mm -0.051 mm

Electrical Characteristics	English	Metric
1ZATL		
Temperature Rating	1 hr 550° 8 hr 500° Cont. 450°	1 hr 260° 8 hr 232° Cont. 204°
Voltage Rating	1500 VDC	1500 VDC
D.C. Conductor Resistance at 68° F (20° C) (Maximum)	2.8 Ω/kft	9.2 Ω/km
D.C. Armor Resistance at 68° F (20° C) (Maximum)	12.8 Ω/kft	42.0 Ω/km
Capacitance Conductor to Armor (Maximum)	58 pf/ft	190 pf/m
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft	5000 MΩ/km