

# 9/32" 288 MONOCONDUCTOR MP35 (12/18)

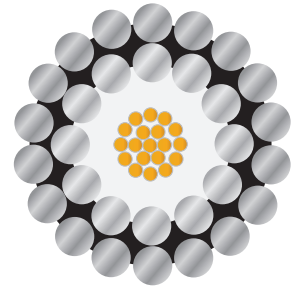
7.32 mm

**CONDUCTOR:** Copper, Nickel Plated, Water Blocked.

**INSULATION:** PFA/ETFE.

**ARMOR:** MP35 (UNS R30035)

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		173 lb/kft	258 kg/km
Weight in Water		148 lb/kft	220 kg/km
Minimum Breaking Strength, Ends Fixed		9,400 lbf	41.81 kN
Minimum Wire Break Strength (In/Out)		347/347 lbf	1544/1544 N
Maximum Working Load		5,170 lbf	23.00 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	16"	406 mm
Stretch Coefficient (Nominal)		1.2 ft/kft/klb +0.005"	1.35 m/km/5kN +0.127 mm
Outside Diameter	0.288"	-0.002"	7.32 mm -0.051 mm

Electrical Characteristics	English			Metric		
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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)	13.0 Ω/kft			42.6 Ω/km		
Capacitance Conductor to Armor (Maximum)	58 pf/ft			190 pf/m		
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft			5000 MΩ/km		