

7/32" 224 MONOCONDUCTOR MP35 (12/18)

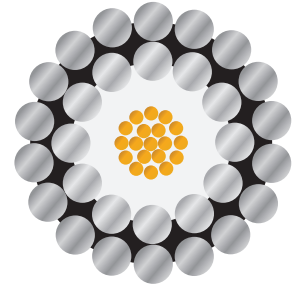
5.69 mm

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 – # 18 AWG, 7 x 0.0159"	dia.	0.048"	1.212 mm
Wall Thickness:		0.030"	0.766 mm
Insulation – OD:	dia.	0.108"	2.743 mm
Armor – Inner: 12 wires 0.031"	dia.	0.162"	4.115 mm
Armor – Outer: 18 wires 0.031"	dia.	0.224"	5.690 mm

Mechanical Characteristics		English		Metric
Weight in Air		100 lb/kft		149 kg/km
Weight in Water		86 lb/kft		128 kg/km
Minimum Breaking Strength, Ends Fixed		5,400 lbf		24.02 kN
Minimum Wire Break Strength (In/Out)		210/210 lbf		934/934 N
Maximum Working Load		2,970 lbf		13.21 kN
Temperature Rating (Maximum)		500°F		260°C
Suggested Minimum Sheave	dia.	13"		330 mm
Stretch Coefficient (Nominal)		2.1 ft/kft/klb +0.005"		2.36 m/km/5kN +0.127 mm
Outside Diameter	0.224"	-0.002"	5.69 mm	-0.051 mm

Electrical Characteristics	English			Metric		
1ZATK						
Temperature Rating	1 hr 550°	8 hr 500°	Cont. 450°	1 hr 260°	8 hr 232°	Cont. 204°
Voltage Rating	1200 VDC			1200 VDC		
D.C. Conductor Resistance at 68° F (20° C) (Maximum)	6.2 Ω/kft			20.3 Ω/km		
D.C. Armor Resistance at 68° F (20° C) (Maximum)	22.0 Ω/kft			72.2 Ω/km		
Capacitance Conductor to Armor (Maximum)	45 pf/ft			148 pf/m		
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft			5000 MΩ/km		