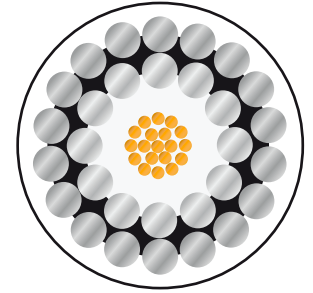


7/32" 224 MONOCONDUCTOR S77 (12/18)

5.69 mm

CONDUCTOR: Copper, Nickel Plated, Water Blocked.
INSULATION: PFA/ETFE.
ARMOR: SUPA 77 (UNS R31277)

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		96 lb/kft	143 kg/km
Weight in Water		81 lb/kft	121 kg/km
Minimum Breaking Strength, Ends Fixed		5,200 lbf	23.13 kN
Minimum Wire Break Strength (In/Out)		195/195 lbf	867/867 N
Maximum Working Load		2,860 lbf	12.72 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	13"	330 mm
Stretch Coefficient (Nominal)		2.2 ft/kft/klb	2.47 m/km/5kN
Outside Diameter	0.224"	+0.005"	+0.127 mm
		-0.002"	-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		