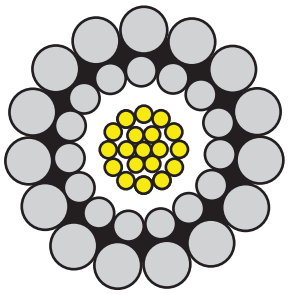
7/32" 224 MONOCONDUCTOR HS (15/15)

5.69 mm



CONDUCTOR: Copper, Water Blocked.
INSULATION: Polypropylene (1XPL)
ETFE (1XTL)
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 – # 16 AWG, 19 x 0.0119"	dia.	0.060"	1.511 mm
Wall Thickness:		0.024"	0.616 mm
Insulation - OD:	dia.	0.108"	2.743 mm
Armor – Inner: 15 wires 0.0243"	dia.	0.152"	3.871 mm
Armor – Outer: 15 wires 0.0358"	dia.	0.224"	5.690 mm

Mechanical Characteristics		English		Metric
Weight in Air		96 lb/kft		143 kg/km
Weight in Water		82 lb/kft		122 kg/km
Minimum Breaking Strength, Ends Fixed		5,900 lbf		26.24 kN
Minimum Wire Break Strength (In/Out)		137/294 lbf		609/1308 N
Maximum Working Load		3,245 lbf		14.43 kN
Temperature Rating (Maximum)		500°F		260°C
Suggested Minimum Sheave	dia.	14"		356 mm
Stretch Coefficient (Nominal)		2 ft/kft/klb		2 m/km/5kN
Outside Diameter	0.224"	+0.005" -0.002"	5.69 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.					
1XPL	300°	275°	250°	1200 VDC	3.9 Ω/kft	4.4 Ω/kft	62 pf/ft	1500 MΩ/kft
1XTL	500°	450°	400°	1200 VDC	3,9 Ω/kft	4.4 Ω/kft	69 pf/ft	1500 MΩ/kft
Metric System								
1XPL	149°	135°	121°	1200 VDC	12.8 Ω/km	14.4 Ω/km	203 pf/m	5000 MΩ/km
1XTL	260°	232°	204°	1200 VDC	12.8 Ω/km	14.4 Ω/km	226 pf/m	5000 MΩ/km