

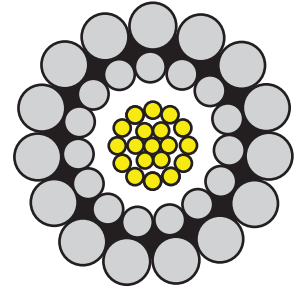
7/32" 224 MONOCONDUCTOR HS (12/18)

5.69 mm

CONDUCTOR: Copper, Water Blocked.

INSULATION: Polypropylene (1ZPL)
ETFE (1ZTL)
FEP/ETFE (1ZFTL)
ECCTREME (1ZETL)

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: 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		95 lb/kft	142 kg/km
Weight in Water		81 lb/kft	121 kg/km
Minimum Breaking Strength, Ends Fixed		6,100 lbf	27.13 kN
Minimum Wire Break Strength (In/Out)		221/221 lbf	983/983 N
Maximum Working Load		3,355 lbf	14.92 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	13"	330 mm
Stretch Coefficient (Nominal)		2.2 ft/kft/klb +0.005"	2.47 m/km/5kN +0.127 mm
Outside Diameter	0.224"	-0.002"	5.69 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
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English System

	1 hr	8 hr	Cont.	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
1ZPL	300°	275°	250°	1200 VDC	3.9 Ω/kft	4.3 Ω/kft	62 pf/ft	1500 MΩ/kft
1ZTL	500°	450°	400°	1200 VDC	3.9 Ω/kft	4.3 Ω/kft	69 pf/ft	1500 MΩ/kft
1ZFTL	500°	450°	400°	1200 VDC	3.9 Ω/kft	4.3 Ω/kft	62 pf/ft	1500 MΩ/kft
1ZETL	600°	550°	500°	1200 VDC	3.9 Ω/kft	4.3 Ω/kft	62 pf/ft	1500 MΩ/kft

Metric System

	1 hr	8 hr	Cont.	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
1ZPL	149°	135°	121°	1200 VDC	12.8 Ω/km	14.1 Ω/km	203 pf/m	5000 MΩ/km
1ZTL	260°	232°	204°	1200 VDC	12.8 Ω/km	14.1 Ω/km	226 pf/m	5000 MΩ/km
1ZFTL	260°	232°	204°	1200 VDC	12.8 Ω/km	14.1 Ω/km	203 pf/m	5000 MΩ/km
1ZETL	315°	288°	260°	1200 VDC	12.8 Ω/km	14.1 Ω/km	203 pf/m	5000 MΩ/km