

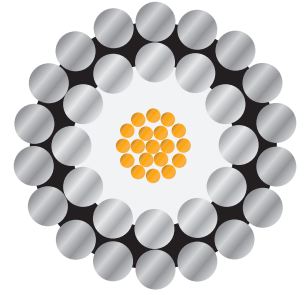
7/16" 425 MONOCONDUCTOR HSLR (12/18)

10.80 mm

CONDUCTOR: Copper, Nickel Plated, Water Blocked.

INSULATION: PFA/ETFE .

ARMOR: MP35 (UNS R30035)



Special Sealant is applied between armor layers.

Construction Characteristics		English	Metric
Conductor – # 13 AWG, 19 x 0.0172"	dia.	0.086"	2.184 mm
Wall Thickness:		0.060"	1.511 mm
Insulation – OD:	dia.	0.205"	5.207 mm
Armor – Inner: 12 wires 0.0585"	dia.	0.308"	7.823 mm
Armor – Outer: 18 wires 0.0585"	dia.	0.425"	10.795 mm

Mechanical Characteristics		English	Metric
Weight in Air		335 lb/kft	499 kg/km
Weight in Water		282 lb/kft	420 kg/km
Minimum Breaking Strength, Ends Fixed		22,000 lbf	97.86 kN
Minimum Wire Break Strength (In/Out)		773/773 lbf	3438/3438 N
Maximum Working Load		12,100 lbf	53.82 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	24"	610 mm
Stretch Coefficient (Nominal)		0.6 ft/kft/klb +0.005"	0.67 m/km/5kN +0.127 mm
Outside Diameter	0.425"	-0.002"	10.80 mm -0.051 mm

Electrical Characteristics	English			Metric		
1ZFTL						
Temperature Rating	1 hr 500°	8 hr 450°	Cont. 400°	1 hr 260°	8 hr 232°	Cont. 204°
Voltage Rating	1500 VDC			1500 VDC		
D.C. Conductor Resistance at 68° F (20° C) (Maximum)	1.8 Ω/kft			5.9 Ω/km		
D.C. Armor Resistance at 68° F (20° C) (Maximum)	1.2 Ω/kft			3.9 Ω/km		
Capacitance Conductor to Armor (Maximum)	44 pf/ft			144 pf/m		
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft			5000 MΩ/km		