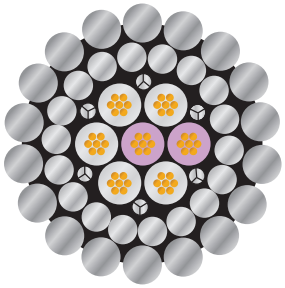
3/8" 380 7- CONDUCTOR HS (18/18)

9.60 mm

CONDUCTOR: Copper, Water Blocked.
INSULATION: Polypropylene (7SPK)
ARMOR: ETFE (7STK)
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 – #20 AWG, 7 x 0.0128"	dia.	0.038"	0.975 mm
Wall Thickness:		0.013"	0.338 mm
Insulation - OD:	dia.	0.065"	1.651 mm
Armor – Inner: 12 wires 0.0445"	dia.	0.275"	6.985 mm
Armor – Outer: 18 wires 0.0445"	dia.	0.380"	9.652 mm

Mechanical Characteristics		English	Metric
Weight in Air		261 lb/kft	388 kg/km
Weight in Water		219 lb/kft	326 kg/km
Minimum Breaking Strength, Ends Fixed		15,500 lbf	68.94 kN
Minimum Wire Break Strength (In/Out)		322/625 lbf	1432/2780 N
Maximum Working Load		8,525 lbf	37.92 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	21"	533 mm
Stretch Coefficient (Nominal)		0.8 ft/kft/klb	0.90 m/km/5kN
Outside Diameter	0.378"	+0.006" / -0.002"	9.60 mm +0.152 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.					
7SPK	300°	275°	250°	1000 VDC	9.2 Ω/kft	1.8 Ω/kft	72 pf/ft	1500 MΩ/kft
7STK	500°	450°	400°	1000 VDC	9.2 Ω/kft	1.8 Ω/kft	79 pf/ft	1500 MΩ/kft
Metric System								
7SPK	149°	135°	121°	1000 VDC	30.2 Ω/km	5.9 Ω/km	236 pf/m	5000 MΩ/km
7STK	260°	232°	204°	1000 VDC	30.2 Ω/km	5.9 Ω/km	259 pf/m	5000 MΩ/km