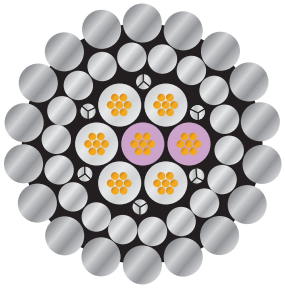
7/16" 426 7-CONDUCTOR HS (18/18)

10.82 mm

CONDUCTOR: Copper, Water Blocked.
INSULATION: Polypropylene (7SPK)
ARMOR: FEP/ETFE (7SFTK)
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:		0.018"	0.452 mm
Insulation - OD:	dia.	0.074"	1.880 mm
Armor – Inner: 18 wires 0.0425″	dia.	0.308"	7.823 mm
Armor – Outer: 18 wires 0.059″	dia.	0.426"	10.82 mm

Mechanical Characteristics		English	Metric
Weight in Air		322 lb/kft	479 kg/km
Weight in Water		266 lb/kft	396 kg/km
Minimum Breaking Strength, Ends Fixed		20,000 lbf	88.96 kN
Minimum Wire Break Strength (In/Out)		412/786 lbf	1833/3496 N
Maximum Working Load		11,000 lbf	48.93 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	24"	610 mm
Stretch Coefficient (Nominal)		0.6 ft/kft/klb	0.67 m/km/5kN
Outside Diameter	0.426″	+0.006" -0.002"	10.82 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	1.3 Ω/kft	58 pf/ft	1500 MΩ/kft
7SFTK	500°	450°	400°	1000 VDC	9.2 Ω/kft	1.3 Ω/kft	58 pf/ft	1500 MΩ/kft
Metric System								
7SPK	149°	135°	121°	1000 VDC	30.2 Ω/km	4.3 Ω/km	190 pf/m	5000 MΩ/km
7SFTK	260°	232°	204°	1000 VDC	30.2 Ω/km	4.3 Ω/km	190 pf/m	5000 MΩ/km