

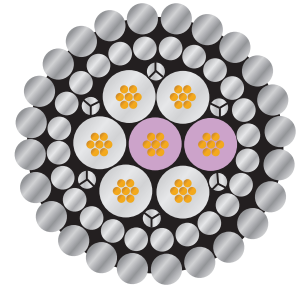
0.474" 474 7-CONDUCTOR HS (18/18)

12.04 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 - # 20 AWG, 7 x 0.0128"	dia.	0.038"	0.975 mm
Wall Thickness:		0.023"	0.579 mm
Insulation - OD:	dia.	0.084"	2.134 mm
Armor - Inner: 18 wires 0.0470"	dia.	0.343"	8.712 mm
Armor - Outer: 18 wires 0.0655"	dia.	0.474"	12.04 mm

Mechanical Characteristics		English	Metric
Weight in Air		392 lb/kft	583 kg/km
Weight in Water		326 lb/kft	485 kg/km
Minimum Breaking Strength, Ends Fixed		24,500 lbf	108.98 kN
Minimum Wire Break Strength (In/Out)		502/936 lbf	2233/4164 N
Maximum Working Load		13,475 lbf	59.94 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	27"	686 mm
Stretch Coefficient (Nominal)		0.5 ft/kft/klb	0.56 m/km/5kN
		+0.006"	+0.152 mm
Outside Diameter	0.474"	-0.002"	-0.051 mm
			12.04 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 Ω/kft	48 pf/ft	1500 MΩ/kft
7SFTK	500°	450°	400°	1000 VDC	9.2 Ω/kft	1 Ω/kft	48 pf/ft	1500 MΩ/kft
Metric System								
7SPK	149°	135°	121°	1000 VDC	30.2 Ω/km	3.3 Ω/km	157 pf/m	5000 MΩ/km
7SFTK	260°	232°	204°	1000 VDC	30.2 Ω/km	3.3 Ω/km	157 pf/m	5000 MΩ/km