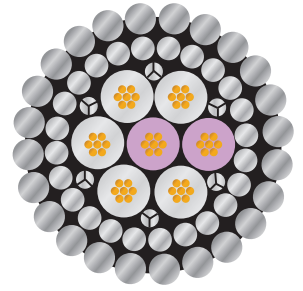


# 15/32" 464 7-CONDUCTOR HS (24/24)

11.79 mm

- CONDUCTOR:** Copper, Water Blocked.  
**INSULATION:** Polypropylene (7RPK)  
 FEP/ETFE (7RFTK)  
**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 – # 20 AWG, 7 x 0.0128"	dia.	0.038"	0.975 mm
Wall Thickness:		0.029"	0.732 mm
Insulation – OD:	dia.	0.096"	2.438 mm
Armor – Inner: 24 wires 0.0390"	dia.	0.365"	9.271 mm
Armor – Outer: 24 wires 0.0495"	dia.	0.464"	11.786 mm

Mechanical Characteristics		English	Metric
Weight in Air		341 lb/kft	507 kg/km
Weight in Water		274 lb/kft	408 kg/km
Minimum Breaking Strength, Ends Fixed		20,000 lbf	88.96 kN
Minimum Wire Break Strength (In/Out)		329/526 lbf	1463/2340 N
Maximum Working Load		11,000 lbf	48.93 kN
Temperature Rating (Maximum)		500°F	260°C
Suggested Minimum Sheave	dia.	20"	508 mm
Stretch Coefficient (Nominal)		0.6 ft/kft/klb	0.67 m/km/5kN
Outside Diameter	0.464"	+0.006"	+0.152 mm
		-0.002"	-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
	1 hr	8 hr	Cont.					
<b>English System</b>								
7RPK	300°	275°	250°	1200 VDC	9.2 Ω/kft	1.3 Ω/kft	41 pf/ft	1500 MΩ/kft
7RFTK	500°	450°	400°	1200 VDC	9.2 Ω/kft	1.3 Ω/kft	42 pf/ft	1500 MΩ/kft
<b>Metric System</b>								
7RPK	149°	135°	121°	1200 VDC	30.2 Ω/km	4.3 Ω/km	134 pf/m	5000 MΩ/km
7RFTK	260°	232°	204°	1200 VDC	30.2 Ω/km	4.3 Ω/km	138 pf/m	5000 MΩ/km