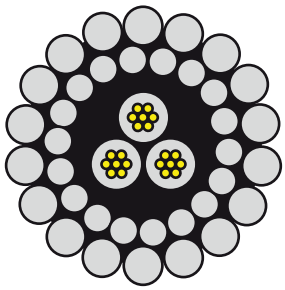
3/16" 185 3-CONDUCTOR HS (18/18)

4.70 mm



CONDUCTOR: Copper, Water Blocked.
INSULATION: ETFE
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 – # 23 AWG, 7 x 0.0085″	dia.	0.026"	0.648 mm
Wall Thickness:		0.009"	0.222 mm
Insulation conductors:	dia.	0.043"	1.092 mm
Insulation jacket:	dia.	0.107"	2.718 mm
Armor – Inner: 18 wires 0.0185″	dia.	0.134"	3.404 mm
Armor – Outer: 18 wires 0.0255″		0.185"	4.699 mm

Mechanical Characteristics		English		Metric
Weight in Air		65 lb/kft		96 kg/km
Weight in Water		54 lb/kft		81 kg/km
Minimum Breaking Strength, Ends Fixed		3,800 lbf		16.90 kN
Minimum Wire Break Strength (In/Out)		80/150 lbf		356/667 N
Maximum Working Load		2,090 lbf		9.30 kN
Temperature Rating (Maximum)		500°F		260°C
Suggested Minimum Sheave	dia.	12"		305 mm
Stretch Coefficient (Nominal)		3.5 ft/kft/klb		3.93 m/km/5kN
Outside Diameter	0.186″	+0.006" -0.002"	4.72 mm	+0.152 mm -0.051 mm

Electrical Characteristics	English			Metric		
3STK						
Temperature Rating	1 hr 500°	8 hr 450°	Cont. 400°	1 hr 260°	8 hr 232°	Cont. 204°
Voltage Rating	1000 VDC			1000 VDC		
D.C. Conductor Resistance at 68° F (20° C) (Maximum)	20.9 Ω/kft			68.6 Ω/km		
D.C. Armor Resistance at 68° F (20° C) (Maximum)	7.0 Ω/kft			23.0 Ω/km		
Capacitance Conductor to Armor (Maximum)	52 pf/ft			171 pf/m		
Insulation Resistance (Minimum) @ 500 VDC	1500 MΩ/kft			5000 MΩ/km		