



### PROPERTIES

Cable Armor Diameter	0.355" +0.003" -0.002"	(9.02mm +0.08mm -0.05mm)
Minimum Sheave Diameter	22"	(56 cm)
Cable Stretch Coefficient	TBD ft/kft/klb	(TBD m/km/5kN)

### ELECTRICAL

Maximum Conductor Voltage	1,500 VDC	
Server AWG Rating	11	
Minimum Insulation Resistance	1,500 MΩ/kft @500 VDC	(457 MΩ/km @500 VDC)
Armor Electrical Resistance	1.99 Ω/kft	(6.53 Ω/km)

### MECHANICAL

Cable Breaking Strength		
Ends Fixed	13,100 lb	(58.29 kN) Nominal
Maximum Suggested Working Tension	6,550 lb	(29.15 kN)
Number and Size of Wires		
Inner Armor	18 x 0.039"	(0.991 mm)
Outer Armor	23 x 0.039"	(0.991 mm)
Average Wire Breaking Strength		
Inner Armor	357 lb	(1.59 kN)
Outer Armor	357 lb	(1.59 kN)

Cable Type	Core Description									Cable Weight	
	Temperature Rating			Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap Typical	OD Each	In Air	In H2O
	°F	°C	Cond max							lbs/kft	kg/km
	1 hr. max Temp	8 hr. max Temp	Cond max Temp		in mm	in mm	Ω/kft Ω/km	pF/ft pF/m	in mm		
<b>1Q36YZEH4FO</b>	<b>500</b> 260	<b>450</b> 232	<b>400</b> 204	<b>ETFE</b>	<b>0.032</b> 0.82	<b>14 x 0.0253</b> 14 x 0.643	<b>1.26</b> 4.13	<b>139</b> 455	<b>0.210</b> 5.334	<b>230</b> 342	<b>190</b> 283

- The Armor wires are high tensile, Galvanized Extra Improved Plow Steel (GEIPS), and Coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
- Fiber in metal tube will be 0.094 inches OD SS tube, hydrogen-scavenging gel, four fibers.\*
- \*Attenuation increase in the fiber optic under loaded conditions may vary.
- The temperature rating assumes a normal gradient for both temperature and weight.
- Conductor resistance is measured at 68°F.
- All values shown are nominal or typical values.

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