



7Q54-EEHS

0.548" (13.92 mm)

7-CONDUCTOR

DuraSlam™

NAVIGATION

CASED HOLE

OPEN HOLE

.377"

3/16"

3/8"

7/16"

15/32"

.474"

DuraSlam

.49"

.54"

SOUR SERVICE

GEOHERMAL

GREASELESS

FIBER OPTIC

MECHANICAL WIRELINE

PROPERTIES

Cable Diameter	0.548" ±0.005"	(13.92mm ±0.13mm)
Minimum Sheave Diameter	36"	(92 cm)
Cable Stretch Coefficient	0.5 ft/Kft/Klbs	(0.56 m/Km/5KN)

ELECTRICAL

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	17	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500 VDC	(457 MegaΩ/Km @ 500 VDC)
Armor Electrical Resistance	0.79 Ω/Kft	(2.59 Ω/Km)

MECHANICAL

Cable Breaking Strength			
Ends Fixed	40,000 lbs	(178 KN)	Nominal
Maximum Suggested Working Tension	20,000 lbs	(89 KN)	
Number and Size of Wires			
Inner Armor	15 x 0.0680"	(1.727 mm)	
Outer Armor	24 x 0.0585"	(1.486 mm)	
Average Wire Breaking Strength			
Inner Armor	1,317 lbs	(5.9 KN)	
Outer Armor	975 lbs	(4.3 KN)	

Cable Type	Core Description									Cable Weight		
	Temperature Rating °F °C			Plastic Type	Insulation Thickness in mm	Copper Construction in mm	Res Typical Ω/Kft Ω/Km	Cap. Typical pf/ft pf/m	O.D. Each in mm	Jacket Type	in Air	in H ₂ O
	1 hr. Max Temp	8 hr. Max Temp	Cont. Max Temp								lbs/Kft Kg/Km	
7Q54CTZZ-LR-EEHS	500 260	450 232	400 204	FEP ETFE	0.0110 0.279 0.0105 0.267	0.049 Comp. 1.245 Comp.	5.4 112	34 112	0.071 1.811 0.092 2.344	M-ETFE 0.306 7.772	532 792	440 654

- ▶ The armor wires are high tensile, Galvanized Extra Extra Improved Plow Steel (GEEIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
- ▶ Core assembly - Conductors are seven compacted copper wires.
- ▶ Conductor resistance is measured at 68 deg. F.
- ▶ The temperature rating assumes a normal gradient for both temperature and weight.
- ▶ All values shown are nominal or typical values.