



2Q37-EHS ECOSEAL®

0.374" (9.50 mm)
COAXIAL CABLE

NAVIGATION

- CASED HOLE
- OPEN HOLE
- SOUR SERVICE
- GEO THERMAL
- GREASELESS
- EcoSeal
- FIBER OPTIC
- MECHANICAL WIRELINE

PROPERTIES

Jacketed Cable Diameter	0.374" ±0.005"	(9.50mm ±0.13mm)
Cable Armor Diameter	0.337" +0.005" -0.002"	(8.56 mm +0.13 -0.05 mm)
Minimum Sheave Diameter	26"	(66 cm)
Cable Stretch Coefficient	2.1 ft/Kft/Klbs	(2.36m/Km/5KN)
Cable Coefficient of Friction	0.2	

ELECTRICAL

Maximum Conductor Voltage	1,500 VDC Central Conductor 1,000 VDC Server Conductor	
Conductor AWG Rating	14 Central Conductor 16 Server Conductor	
Minimum Insulation Resistance	1.5 GΩ/kft @500 VDC	(5.0 GΩ/kft @500 VDC)
Armor Electrical Resistance	3.4 Ω/Kft	(11.3 Ω/Km)

MECHANICAL

Cable Breaking Strength			
Ends Fixed	8,200 lbs	(36.5 KN)	Nominal
Maximum Suggested Working Tension	5,000 lbs	(22.2 KN)	
Number and Size of Wires			
Inner Armor	21 x 0.028"	(0.711 mm)	
Outer Armor	14 x 3W Strand 0.043"	(1.092 mm)	
Average Wire Breaking Strength			
Inner Armor	210 lbs	(0.94 KN)	
Outer Armor	318 lbs	(1.41 KN)	

Cable Type	Core Description								Jacket Type	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	in Air	in H ₂ O
	1 hr. Max Temp	8 hr. Max Temp	Cont. Max Temp									
2Q37CTZZ-EHStZZ	400 204	375 191	350 177	FEP	0.025 0.635	Compacted 0.067 (7 wires) 1.702 (7 wires)	2.8 9.2	54 177	0.117 2.972	M-ETFE	167 248	138 205
				ETFE	0.013 0.330		4.1 13.3	175 575	0.159 4.038			
				M-ETFE	0.012 0.305		45 x 0.0080 45 x 0.203		0.183 4.648			

- ▶ The EcoSeal® features a "double-seal" technology consisting of an inner polymer sleeve between the inner and outer armors, and a specially formulated outer polymer jacket.
- ▶ Core assembly – Copper strand consists of a total of seven wires and then a coaxial arrangement 45 x 0.0080. Conductor resistance is measured at 68 deg. F. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration.
- ▶ The temperature rating assumes a normal gradient for both temperature and weight.
- ▶ All values shown are nominal or typical values.
- ▶ Not recommended for use in any sour and / or corrosive environment.