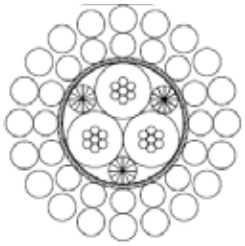
3Q37

0.377” (9.58 mm)
3-CONDUCTOR



PROPERTIES

Cable Diameter	0.377” +0.005” - 0.002”	(9.58mm +0.13mm -0.05mm)
Minimum Sheave Diameter	22”	(56 cm)
Cable Stretch Coefficient	1.6 ft/Kft/Klbs	(1.8 m/Km/5KN)

ELECTRICAL

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	18	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500 VDC	(457 MegaΩ/Km @ 500 VDC)
Armor Electrical Resistance	1.7 Ω/Kft	(5.6 Ω/Km)

MECHANICAL

Cable Breaking Strength			
Ends Fixed	13,200 lbs	(58.74 KN)	Nominal
Maximum Suggested Working Tension	6,600 lbs	(29.37 KN)	
Number and Size of Wires			
Inner Armor	16 x 0.0425”	(1.08 mm)	
Outer Armor	20 x 0.0470”	(1.19 mm)	
Average Wire Breaking Strength			
Inner Armor	383 lbs	(1.71 KN)	
Outer Armor	469 lbs	(2.09 KN)	

Cable Type	Core Description										Cable Weight	
	Temperature Rating °F °C			Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	Jacket Type	in Air	in H_2O
	1 hr. Max Temp	8 hr. Max Temp	Cont. Max Temp		in mm	in mm	Ω/Kft Ω/Km	pf/ft pf/m	in mm		lbs/Kft Kg/Km	
3Q37RP	**300 149**	**275 135**	**250 121**	**Poly**	**0.0230 0.584**	**7x0.0152 7x0.386**	**7.1 23.3**	**47 154**	**0.096 2.438**	**Dacron**	**233 347**	**49** 74

- 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.
- Core assembly – Conductors are bound with conductive tape and voids are filled with conductive paste and string.
- Conductors are “Water Blocked” to reduce water and gas migration. Conductor resistance is measured at 68° F.
- The temperature rating assumes a normal gradient for both temperature and weight.
- All values shown are nominal or typical values.
- Dacron® does not withstand temperatures exceeding 300° F. Nomex® is available by customer request at time of order for additional cost.