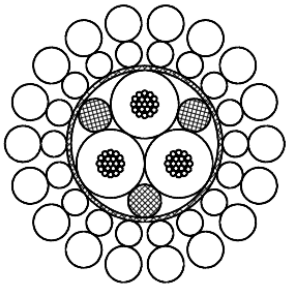
camesa®



0.474” (12.04 mm)
3-CONDUCTOR
3H47

PROPERTIES

Cable Diameter	0.474” +0.005” - 0.002”	(12.04mm + 0.13mm -0.05mm)
Minimum Sheave Diameter	26”	(66 cm)
Cable Stretch Coefficient	0.61 ft/Kft/Klbs	(0.69 m/Km/5KN)

ELECTRICAL

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	18	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500VDC	(457 MegaΩ/Km @ 500VDC)
Armor Electrical Resistance	1.1 Ω/Kft	(3.6 Ω/Km)

MECHANICAL

Cable Breaking Strength		
Ends Fixed	22,000 lbs	(97.9 KN) Nominal
Maximum Suggested Working Tension	11,000 lbs	(48.9 KN)
Number and Size of Wires		
Inner Armor	18 x 0.0470”	(1.194 mm)
Outer Armor	18 x 0.0655”	(1.664 mm)
Average Wire Breaking Strength		
Inner Armor	469 lbs	(2.09 KN)
Outer Armor	910 lbs	(4.05 KN)

Cable Type	Core Description								Cable Weight	
	Temp 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	Tape Type	in Air	in H_2O
									lbs/Kft Kg/Km	
3H47PP	**300** 149	**Poly**	**0.037** 0.940	**19x0.0100** 19x0.254	**6.0** 19.7	**44** 144	**0.124** 3.150	**Dacron®**	**369** 549	**303** 451
3H47PXZ	**420** 216	**Camtame**	**0.015** 0.381	**19x0.0100** 19x0.254	**6.0** 19.7	**45** 148	**0.088** 2.032	**Dacron®***	**376** 560	**310** 461
		ETFE	**0.022** 0.559				**0.124** 3.150			
3H47PTZ	**500** 260	**FEP**	**0.015** 0.381	**19x0.0100** 19x0.254	**6.0** 19.7	**43** 141	**0.080** 2.032	**Dacron®***	**382** 568	**316** 470
		ETFE	**0.022** 0.559				**0.124** 3.150			

- 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.
- Copper strand consists of a total of nineteen wires. Voids in the copper strand are filled with a water-blocking agent 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.