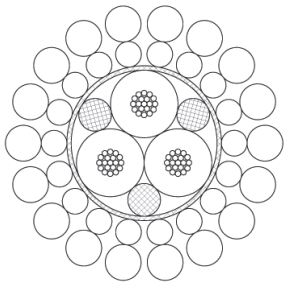
camesa®



0.474" (12.04 mm)
3-CONDUCTOR
CABLE
3H47

PROPERTIES:

Cable Diameter:	0.474 +0.005" - 0.002"	(12.04 mm + 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	1200 VDC	
Conductor AWG Rating	18	
Minimum Insulation Resistance	1,500 MegΩ/Kft @ 500VDC	(457 MegΩ/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	Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	Tape Type	in Air	in H2O	Spec. Gravity
	°F °C		in mm	in mm	Ω/Kft Ω/Km	pf/ft pf/m	in mm		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	**5.59**
3H47PXZ	**420** 216	**Camtane** **ETFE**	**0.015** 0.381 **0.022** 0.559	**19x0.0100** 19x0.254	**6.0** 19.7	**45** 148	**0.080** 2.032 **0.124** 3.150	**Dacron**	**376** 560	**310** 461	**5.70**
3H47PTZ	**500** 260	**FEP** **ETFE**	**0.015** 0.381 **0.022** 0.559	**19x0.0100** 19x0.254	**6.0** 19.7	**43** 141	**0.080** 2.032 **0.124** 3.150	**Dacron**	**382** 568	**316** 470	**5.78**

* 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 and cables are post tensioned.
* Core assembly – Conductors are bound with conductive tape and voids are filled with conductive paste and string.
* Copper strands consist 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.