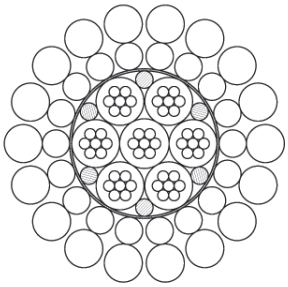
camesa®



5/16" (8.26mm)
7-CONDUCTOR
7H32

PROPERTIES:

Cable Diameter:	0.325" +0.005" - 0.002"	(8.26mm + 0.13mm -0.05mm)
Minimum Sheave Diameter:	18"	(45 cm)
Cable Stretch Coefficient	1.8 ft/Kft/Klbs	(2.02 m/km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1000 VDC	
Conductor AWG Rating	22	
Minimum Insulation Resistance	1,500 MegΩ/Kft @ 500VDC	(457 MegΩ/Km @ 500VDC)
Armor Electrical Resistance:	2.3 Ω/Kft	(7.5 Ω/Km)

MECHANICAL:

Cable Breaking Strength:

Ends Fixed:	9,500 lbs	(42.3 KN) Nominal

Maximum Suggested Working Tension: 4,750 lbs (21.1 KN)

Number and Size of Wires:

Inner Armor	18 x 0.0320"	(0.813 mm)
Outer Armor	18 x 0.0445"	(1.130 mm)

Average Wire Breaking Strength:

Inner Armor	217 lbs	(0.97 KN)
Outer Armor	420 lbs	(1.87 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		
7H32RP	**300** 149	**Poly**	**0.013** 0.330	**7x0.0100** 7x0.254	**15.8** 51.8	**55** 180	**0.056** 1.422	**Dacron**	**183** 272	**152** 226	**5.86**
7H32RZ	**500** 260	**ETFE**	**0.013** 0.330	**7x0.0100** 7x0.254	**15.8** 51.8	**67** 220	**0.056** 1.422	**Dacron**	**188** 280	**157** 234	**6.03**

* 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.
* 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.
* Center conductor construction is 7×0.0100". The typical capacitance is decreased by approximately 5 to 10% in comparison to the outer conductors.
* All values shown are nominal or typical values.