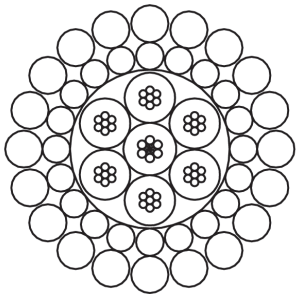

camesa®

0.490" (12.45 mm) 7-CONDUCTOR CRUSH RESISTANT 7Q49RTZZ-EHS

PROPERTIES:

Cable Diameter:	0.490" +0.006" - 0.003"	(12.44mm + 0.15mm -0.076mm)
Minimum Sheave Diameter:	25"	(64 cm)
Cable Stretch Coefficient (Nominal):	0.60 ft/Kft/Klbs	(0.67 m/km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1200 VDC	
Conductor AWG Rating	20	
Minimum Insulation Resistance	1,500 MegΩ/Kft @ 500 VDC	(457 MegΩ/Km @ 500 VDC)
Armor Electrical Resistance:	1.00 Ω/Kft	(3.3 Ω/Km)

MECHANICAL:

Cable Breaking Strength:

Ends Fixed:	25,200 lbs	(112 KN)

Maximum Suggested Working Tension: 12,600 lbs (56 KN)

Number and Size of Wires:

Inner Armor	20 x 0.0460"	(1.17 mm)
Outer Armor	20 x 0.0620"	(1.57 mm)

Average Wire Breaking Strength:

Inner Armor	520 lbs	(2.31 KN)
Outer Armor	945 lbs	(4.20 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	Core Jacket	in Air lbs/Kft Kg/Km	in H2O	Spec. Gravity
7Q49RTZZ-EHS	**500** 260	**FEP** **ETFE**	**0.0130** 0.330 **0.0100** 0.254	**7x0.0128** 7x0.325	**9.8** 32.2	**26** 86	**0.064** 1.63 **0.084** 2.13	**ETFE**	**405** 602	**325** 483	**5.61**

* 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.

* The manufacturer's recommended tension profile must be maintained at all times, or conductor crushing can occur, and conductor failure is not always immediate. If the tension profile is changed, it should be corrected immediately.

* All values shown are nominal or typical values.

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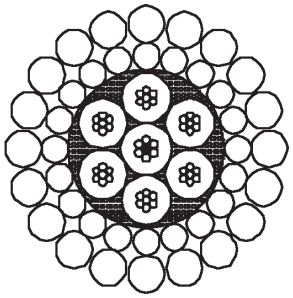

0.490" (12.45 mm) 7-CONDUCTOR
Extra-Extra High Strength
7Q49

PROPERTIES:

Cable Diameter:	0.490" +0.006" - 0.002"	(12.45mm + 0.15mm -0.051mm)
Minimum Sheave Diameter:	25"	(64 cm)
Cable Stretch Coefficient (Nominal):	0.60 ft/Kft/Klbs	(0.67 m/km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1200 VDC	
Conductor AWG Rating	20	
Minimum Insulation Resistance	1,500 MegΩ/Kft @ 500 VDC	(457 MegΩ/Km @ 500 VDC)
Armor Electrical Resistance:	1.00 Ω/Kft	(3.3 Ω/Km)

MECHANICAL:

Cable Breaking Strength:

Ends Fixed:	30,000 lbs	(122.4 KN)

Maximum Suggested Working Tension: 15,000 lbs (56 KN)

Number and Size of Wires:

Inner Armor	20 x 0.0460"	(1.17 mm)
Outer Armor	20 x 0.0620"	(1.57 mm)

Average Wire Breaking Strength:

Inner Armor	567 lbs	(2.5 KN)
Outer Armor	1031 lbs	(4.6 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	Core Jacket	in Air lbs/Kft Kg/Km	in H2O lbs/Kft Kg/Km	Spec. Gravity
7Q49RTZZ-EEHS	**500** 260	**FEP** **ETFE**	**0.0130** 0.330 **0.0100** 0.254	**7x0.0128** 7x0.325	**9.8** 32.2	**26** 86	**0.064** 1.635 **0.084** 2.134	**ECTFE**	**413** 609	**338** 503	**5.61**

* The armor wires are high tensile, Galvanized Extra, Extra Improved Plow Steel (GEEIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed and cables are post tensioned.
* The manufacturer's recommended tension profile must be maintained at all times, or conductor crushing can occur, and conductor failure is not always immediate. If the tension profile is changed, it should be corrected immediately.
* Core assembly – Conductors are stranded and covered with ECTFE plastic jacket. 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 6 x 0.0142" with a non-conductive center member. The typical resistance is reduced by approximately 5 to 10% in comparison to the outer conductors.
* All values shown are nominal or typical values.