

QR[®] 715 JCASS 75 Ohm Coaxial Cable Trunk & Distribution



PRODUCT DESCRIPTION: (UNDERGROUND CONSTRUCTION)

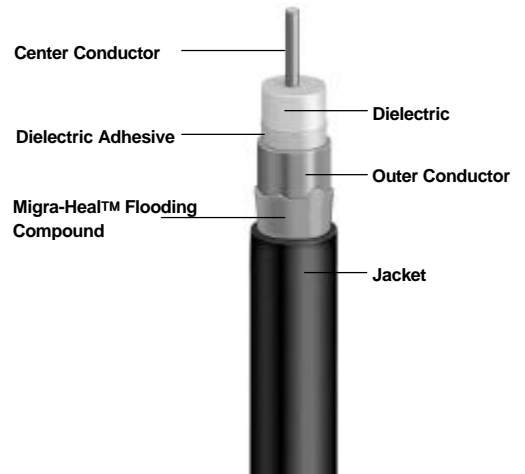
QUANTUM REACH[®] PATENTED, COPPER CLAD ALUMINUM CENTER CONDUCTOR, RF WELDED, FULLY BONDED SHIELD, MIGRA-HEAL[™] FLOODING COMPOUND, PE JACKET

CENTER CONDUCTOR:
COPPER CLAD ALUMINUM
NOMINAL DIAMETER: 0.166" (4.22 mm)

DIELECTRIC:
MICRO-CELLULAR FOAM PE
NOMINAL DIAMETER: 0.686" (17.42 mm)

SHIELD:
RF WELDED, SOLID ALUMINUM TUBE
NOMINAL OUTER CONDUCTOR THICKNESS: 0.0145" (0.37 mm)

JACKET: PE JACKET (FLOODED WITH MIGRA-HEAL[™] FOR UNDERGROUND CONSTRUCTION)
NOMINAL JACKET DIAMETER: 0.785" (19.94 mm)
NOMINAL JACKET THICKNESS: 0.035 (0.89 mm)



MECHANICAL CHARACTERISTICS:

MINIMUM BEND RADIUS: 5.0" (12.7 cm)
MAXIMUM PULLING TENSION = 340 lbs. (154 kg_f)

Shipping Weight (lbs./kft): 205 - (kg/km): 305

ELECTRICAL CHARACTERISTICS:

CAPACITANCE: 15.3 +/- 1.0 pf/ft. (50 +/- 3.0 nf/km)
IMPEDANCE: 75 +/- 2 Ohms
VELOCITY OF PROPAGATION: 88% NOMINAL
MAXIMUM DC LOOP RESISTANCE @ 68°F: 0.997 Ohms/1000 ft. (3.27 Ohms/km)
ATTENUATION: @ 68°F (20°C)

@ Frequency MHz	dB/100 ft. (MAX.)	DB/100 meters (MAX.)
5 MHz	0.11	0.36
55 MHz	0.36	1.18
83 MHz	0.45	1.48
211 MHz	0.74	2.43
250 MHz	0.81	2.66
300 MHz	0.89	2.92
350 MHz	0.97	3.18
400 MHz	1.05	3.44
450 MHz	1.12	3.67
500 MHz	1.19	3.90
550 MHz	1.25	4.10
600 MHz	1.31	4.30
750 MHz	1.49	4.89
865 MHz	1.62	5.31
1000 MHz	1.75	5.74

*Drawing not to scale.
Specifications subject to change.
Revision: 01/20/99*