

QR[®] 540 JCASP 75 Ohm Coaxial Cable Trunk & Distribution

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PRODUCT DESCRIPTION: (AERIAL CONSTRUCTION)

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

CENTER CONDUCTOR:
COPPER CLAD ALUMINUM
NOMINAL DIAMETER: 0.124" (3.15 mm)

DIELECTRIC:
MICRO-CELLULAR FOAM PE
NOMINAL DIAMETER: 0.514" (13.03 mm)

SHIELD:
RF WELDED, SOLID ALUMINUM TUBE
NOMINAL DIAMETER OVER OUTER CONDUCTOR: 0.540" (13.72 mm)
NOMINAL OUTER CONDUCTOR THICKNESS: 0.0135" (0.343 mm)

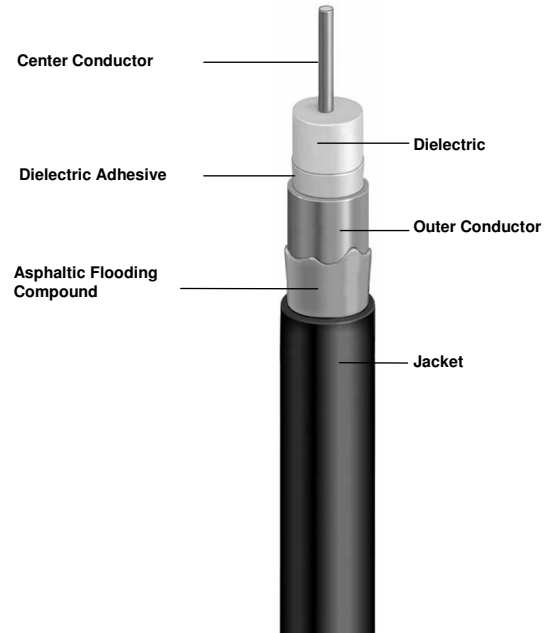
JACKET: PE JACKET (FLOODED WITH ASPHALTIC FLOODING COMPOUND)
NOMINAL JACKET DIAMETER: 0.610" (15.49 mm)
NOMINAL JACKET THICKNESS: 0.029" (0.74 mm)

MECHANICAL CHARACTERISTICS:

MINIMUM BEND RADIUS: 4.0" (10.2 cm)
MAXIMUM PULLING TENSION = 220 lbs. (100 kg_f)

ELECTRICAL CHARACTERISTICS:

CAPACITANCE: 15.3 +/- 1.0 pf/ft. (50 +/- 3.0 nf/km)
IMPEDANCE: 75 +/- 2 Ohms
VELOCITY OF PROPAGATION: 88% NOMINAL
NOMINAL DC LOOP RESISTANCE @ 68°F: 1.61 Ohms/1000 ft. (5.28 Ohms/km)
ATTENUATION @ 68°F (20°C):



Shipping Weight (lbs./kft): 128 - (kg/km): 190

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.14	0.46
55 MHz	0.47	1.54
83 MHz	0.58	1.90
211 MHz	0.95	3.12
250 MHz	1.03	3.38
300 MHz	1.13	3.71
350 MHz	1.23	4.03
400 MHz	1.32	4.33
450 MHz	1.40	4.59
500 MHz	1.49	4.89
550 MHz	1.56	5.12
600 MHz	1.64	5.38
750 MHz	1.85	6.07
865 MHz	2.00	6.56
1000 MHz	2.17	7.12



Drawing not to scale.
Specifications subject to change.
Revision: 06/04/07