

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

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

DIELECTRIC:
 MICRO-CELLULAR FOAM PE
 NOMINAL DIAMETER: 0.514" (13.05 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:
 MDPE JACKET (FLOODED WITH MIGRA-HEAL™ FOR UNDERGROUND CONSTRUCTION)
 NOMINAL JACKET DIAMETER: 0.610" (15.49 mm)
 NOMINAL JACKET THICKNESS: 0.035" (0.89 mm)

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



@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.14	0.46
55 MHz	0.48	1.56
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	4.04
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

CAPACITANCE: 15.3 +/- 1.0 pf/ft. (50 +/-3.0 nf/km)
IMPEDANCE: 75.0 +/- 2.0 Ohms
VELOCITY OF PROPAGATION: 88% NOMINAL
NOMINAL DC LOOP RESISTANCE @ 68°F: 1.66 Ohms/1000 ft. (5.45 Ohms/km)
ATTENUATION @ 68°F (20°C):