

PRODUCT DESCRIPTION: (AERIAL CONSTRUCTION) QUANTUM REACH® PATENTED, COPPER CLAD ALUMINUM CENTER CONDUCTOR, RF WELDED, FULLY BONDED SHIELD, PE JACKET, "FIGURE 8" INTEGRATED MESSENGER,

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: NOMINAL JACKET DIAMETER: 0.610" (15.49 mm) NOMINAL JACKET THICKNESS: 0.035 (0.89 mm)

MESSENGER: NOMINAL DIAMETER OF STEEL MESSENGER: 0.109" (2.77 mm) MINIMUM BREAKING STRENGTH OF MESSENGER: 1,800 lbs. (816 kgf)

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

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./kt): 170 - (kg/km): 253

@ 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

CoreTel s.r.o.
 K Cintorínu 64
 010 04 Žilina
 Slovenská republika

IČO: 47 744 731
 IČ DPH: SK2024077726

Fio banka a.s. č.ú.:
 EUR: 2500577171/8330
 CZK: 2100577172/2010
 USD: 2400577174/8330

Tel. č.: +421 948 87 55 87
 Tel. č.: +421 948 86 55 86
 Email: coretel@coretel.eu
 Web: www.coretel.eu