



**CABLE DESCRIPTION**

Inner Conductor .....	Solid CCA
Conductor Dia. ....	2.74 +/-0.02mm
Min.Break Strength .....	649 N
Insulation .....	Foam P.E.
Insulation Dia. ....	7.24 +/-0.10mm
Color .....	Neutral
Centricity .....	≥ 90%
Adhesion .....	10 to 100N @ 25mm
Shielding .....	AL/P-Foil (Bonded)
Foil overlap .....	≥ 115 %
Dia.....	7.39 +/-0.10mm
Outer Conductor.....	TC Wire Braid
Dia.....	8.13 +/-0.10mm
Coverage.....	94 +/-3%
Jacket .....	PVC
Outer Dia.....	10.29 +/-0.20mm
Color .....	Black
Adhesion.....	150 to 400N @ 50mm

**MECHANICAL CHARACTERISTICS**

Min.Bending Radius:	
Installation.....	25.4 mm
Repeated .....	101 mm
Max.Pulling Tension.....	745 N
Rated Temperature	
Installation/operating temperature.....	-40~+75 °C
Storage temperature .....	-40~+75 °C

**ELECTRICAL CHARACTERISTICS**

Characteristic Impedance .....	50 ± 2 ohm
Capacitance .....	78 pF/m
Velocity ratio.....	84 %
DCR: Inner Conductor .....	4.8 ohm/km
DCR: Outer Conductor .....	5.9 ohm/km
Voltage withstand .....	2,500V RMS
Jacket Spark.....	8,000V RMS
Insulation resistance .....	>5,000 km
Peak Power.....	16 KW
Shielding Effectiveness .....	>90 dB
VSWR 30-1000 MHz.....	<1.15
1001-2500 MHz .....	<1.20
2501-5800 MHz .....	<1.25

**ATTENUATION (AT 20°C)**

MHz	Power kw	dB/100ft
30	3.33	0.70
50	2.57	0.90
150	1.47	1.50
220	1.20	1.90
450	0.83	2.70
900	0.58	3.90
1500	0.44	5.10
1800	0.40	5.70
2000	0.37	6.00
2500	0.33	6.80
5800	0.21	10.80

Maximum attenuation is 10% higher.

**ROHS 3.0 GUIDELINE**

Cadmium content (Cd) .....	< 0.01% (100ppm)
Lead content (Pb).....	<0.1% (1000ppm)
Mercury content (Hg).....	<0.1% (1000ppm)
Chromium (VI) content .....	<0.1% (1000ppm)
Polybrominated Biphenyls (PBB) .....	<0.1% (1000ppm)
Polybrominated Diphenyl Ether(PBDE).....	<0.1% (1000ppm)
Diethyl hexyl phthalate (DEHP) .....	<0.1% (1000ppm)
Butyl phenyl phthalate (BBP).....	<0.1% (1000ppm)
Dibutyl phthalate (DBP) .....	<0.1% (1000ppm)
Diisobutyl phthalate (DIBP) .....	><0.1% (1000ppm)