



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)