

100 SERIES LOW LOSS COAXIAL CABLE



> CONSTRUCTION SPECIFICATIONS

> MECHANICAL SPECIFICATIONS

Inner Conductor Conductor Dia. Min.Break Strength

Insulation
Insulation Dia.
Color
Centricity
Adhesion

Shielding Foil overlap Dia.

Outer Conductor Dia. Coverage

> Outer Dia Color

Solid CCS **0.46** +/-0.02mm 128 N

Solid P.E. 1.52 +/-0.10mm Neutral ≥90% 10 to 100N @ 25mm

AL/P-Foil (Bonded)

≥115 % **1.65** +/-0.10mm TC Wire Braid

2.11 +/-0.10mm **94** +/-3%

PVC **2.79** +/-0.15mm Black Min.Bending Radius:

 Installation
 6.4 mm

 Repeated
 25.4 mm

 Max.Pulling Tension
 78

Rated Temperature

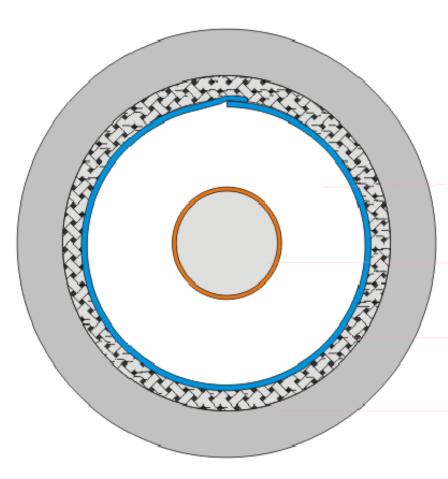
 $\begin{array}{ll} \mbox{Installation/operating temperature} & -40^{\sim} +85 \ \mbox{?} \\ \mbox{Storage temperature} & -70^{\sim} +85 \ \mbox{?} \\ \end{array}$

> ELECTRICAL SPECIFICATIONS

Characteristic Impedance	50 ±2 ohm	Attenuation (at 20 🗹)		
•		[MHz]	[Power kw]	[dB/100ft]
Capacitance	101 pF/m	30	0.230	3.90
Velocity ratio	66 %	50	0.180	5.10
DCR: Inner Conductor	266.0 ohm/km	150	0.100	8.90
DCR: Outer Conductor	31.2 ohm/km	220	0.083	10.90
Voltage withstand	2000 V RMS	450	0.057	15.80
Jacket Spark	500 v rms	900	0.039	22.80
Insulation resistance	> 10,000 MΩ·km	1500	0.029	30.10
Peak Power	0.6 kw	1800	0.027	33.20
Shielding Effectiveness	> 90 dB	2000	0.025	35.20
		2500	0.022	39.80
VSWR	30-1000 MHz <1.15	5800	0.013	64.10
	1001-2500 MHz <1.20 2501-5800 MHz <1.25	8000	0.010	77.30



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Insulation
Inner Conductor
Outer Conductor
Jacket