



Specifications

Models	C12SC (Stand Cable)	C12SC-Z (Fire-retardant Cable)
Inner Conductor	Material: CCA / Diameter: 3.6±0.05 (mm)	
Insulation	Material: Foamed PE / Diameter: 9.2±0.15 (mm)	
Outer Conductor	Material: Helical Corrugated Copper Tube / Diameter: 12.2±0.15 (mm)	
Jacket	Material: LLDPE or Fire-retardant PE / Diameter: 13.6±0.2 (mm)	

MECHANICAL SPECIFICATIONS

Bending Radius	17mm/Single Bend 55mm/Repeated Bend	
Tensile Strength	750N	
Weight	185kg/km 407.85lb/km	
Operating Temperature	-55°C to +85°C -67°F to +185°F	-30°C to +80°C -22°F to +176°F
Storage Temperature	-70°C to +85°C -94°F to +185°F	-30°C to +80°C -22°F to +176°F

ELECTRICAL SPECIFICATIONS

Inner Conductor DC Resistance	2.99Ω/km	
Outer Conductor DC Resistance	3.88Ω/km	
Impedance	50±1.5Ω	
Capacitance	82pF/m	
Velocity	84%	
Dielectric Strength	3.0kv	
Insulation Resistance	> 1×10 ⁴ MΩ/km	
Peak Power Rating	16KV	
Peak Voltage	1400V	
Cut-off Frequency	13GHz	
VSWR	1.15 @ 800MHz-1000MHz 1.15 @ 1700MHz-2500MHz 1.20 @ 2500MHz-3000MHz	

ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	4.91	2.14
450	7.59	1.38
800	10.40	1.01
900	11.20	0.95
1000	11.80	0.89
1500	14.90	0.70
1800	16.60	0.63
2000	17.60	0.59
2200	18.27	0.56
2500	19.20	0.52
3000	22.40	0.46