

## Specifications



Models	C14SC (Stand Cable)	C14SC-Z (Fire-retardant Cable)
Inner Conductor	Material: CCA / Diameter: 1.9±0.03 (mm)	
Insulation	Material: Foamed PE / Diameter: 4.85±0.2 (mm)	
Outer Conductor	Material: Helical Corrugated Copper Tube / Diameter: 6.4±0.2 (mm)	
Jacket	Material: LLDPE or Fire-retardant PE / Diameter: 7.5±0.2 (mm)	

### MECHANICAL SPECIFICATIONS

Bending Radius	15mm/Single Bend 25mm/Repeated Bend	
Tensile Strength	500N	
Weight	125kg/km   275.57lb/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	83pF/m	
Velocity	81%	
Dielectric Strength	3.0kv	
Insulation Resistance	>1×10 <sup>4</sup> MΩ/km	
Peak Power Rating	16KV	
Peak Voltage	1400V	
Cut-off Frequency	13GHz	
VSWR	≤1.15 @ 30MHz-2700MHz ≤1.20 @ 2700MHz-5000MHz ≤1.35 @ 5000MHz-6000MHz	

### ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	8.33	0.79
450	12.70	0.52
800	17.30	0.38
900	18.40	0.36
1800	26.90	0.25
2000	28.50	0.23
2200	30.10	0.22
2500	32.40	0.21
2700	33.60	0.20
3000	35.80	0.19
3500	38.40	0.17
4000	42.20	0.16
5000	48.00	0.14
6000	53.40	0.12