



## Specifications

Models	C114C (Stand Cable)	C114C-Z (Fire-retardant Cable)
Inner Conductor	Material: Copper Tube / Diameter: 13.1±0.1 (mm)	
Insulation	Material: Foamed PE / Diameter: 32.5±0.25 (mm)	
Outer Conductor	Material: Annular Corrugated Copper Tube / Diameter: 35.7±0.3 (mm)	
Jackiet	Material: LLDPE or Fire-retardant PE / Diameter: 38.8±0.3 (mm)	

### MECHANICAL SPECIFICATIONS

Bending Radius	200mm/Single Bend 380mm/Repeated Bend	
Tensile Strength	2500N	
Weight	880kg/km   1940lb/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	0.78Ω/km	
Outer Conductor DC Resistance	0.66Ω/km	
Impedance	50±1.5Ω	
Capacitance	76pF/m	
Velocity	88%	
Dielectric Strength	10.0kv	
Insulation Resistance	> 1×10 <sup>4</sup> MΩ/km	
Peak Power Rating	205KV	
Peak Voltage	4300V	
Cut-off Frequency	3.7GHz	
VSWR	1.10 @ 800MHz-1000MHz 1.15 @ 1700MHz-2200MHz 1.20 @ 2500MHz-3000MHz	

### ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	1.20	8.12
450	1.87	5.22
800	2.59	3.78
900	2.77	3.69
1000	2.94	3.32
1500	3.73	2.62
1800	4.16	2.35
2000	4.43	2.21
2200	4.76	2.21
2500	5.08	1.92
3000	5.68	1.72