



Specifications

Models	C12C (Stand Cable)	C12C-Z (Fire-retardant Cable)
Inner Conductor	Material: CCA / Diameter: 4.8±0.05 (mm)	
Insulation	Material: Foamed PE / Diameter: 12.3±0.15 (mm)	
Outer Conductor	Material: Annular Corrugated Copper Tube / Diameter:13.8±0.15 (mm)	
Jackiet	Material: LLDPE / Diameter: 15.8±0.2 (mm)	

MECHANICAL SPECIFICATIONS

Bending Radius	50mm/Single Bend 125mm/Repeated Bend	
Tensile Strength	1050N	
Weight	215kg/km 474lb/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	1.65Ω/km	
Outer Conductor DC Resistance	3.28Ω/km	
Impedance	50±1.5Ω	
Capacitance	76pF/m	
Velocity	88%	
Dielectric Strength	6.0kv	
Insulation Resistance	> 1×10 ⁴ MΩ/km	
Peak Power Rating	40KV	
Peak Voltage	1800V	
Cut-off Frequency	10GHz	
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	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.87	1.10
1000	7.28	1.04
1500	9.09	0.84
1800	10.10	0.75
2000	10.70	0.71
2200	11.25	0.68
2500	12.10	0.62
3000	13.4	0.56