



Specifications

Models	C158C (Stand Cable)	C158C-Z (Fire-retardant Cable)
Inner Conductor	Material: Helical Corrugated Copper Tube / Diameter: 17.3±0.2 (mm)	
Insulation	Material: Foamed PE / Diameter: 42.5±0.5 (mm)	
Outer Conductor	Material: Annular Corrugated Copper Tube / Diameter: 46.5±0.3 (mm)	
Jackiet	Material: LLDPE or Fire-retardant PE / Diameter: 49.5±0.3 (mm)	

MECHANICAL SPECIFICATIONS

Bending Radius	280mm/Single Bend 500mm/Repeated Bend	
Tensile Strength	3000N	
Weight	1100kg/km 2425lb/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	1.52Ω/km	
Outer Conductor DC Resistance	0.55Ω/km	
Impedance	50±1.0Ω	
Capacitance	76pF/m	
Velocity	88%	
Dielectric Strength	15.0kv	
Insulation Resistance	>1×10 ⁴ MΩ/km	
Peak Power Rating	310KV	
Peak Voltage	5600V	
Cut-off Frequency	2.7GHz	
VSWR	1.15 @ 800MHz-1000MHz 1.20 @ 1700MHz-2700MHz	

ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	0.99	11.80
450	1.57	7.45
800	2.19	5.33
900	2.35	4.97
1800	3.58	3.26
2000	3.82	3.05
2200	4.05	2.80
2400	4.30	2.69
2500	4.42	2.64
2700	4.70	2.43