



Specifications

Models	C38C (Stand Cable)	C38C-Z (Fire-retardant Cable)
Inner Conductor	Material: CCA/ Diameter: 3.15±0.05 (mm)	
Insulation	Material: Foamed PE / Diameter: 8.0±0.2 (mm)	
Outer Conductor	Material: Corrugated Copper Tube / Diameter:9.5±0.15 (mm)	
Jackiet	Material: LLDPE or Fire-retardant PE / Diameter: 11.2±0.2 (mm)	

MECHANICAL SPECIFICATIONS

Bending Radius	30mm/Single Bend 100mm/Repeated Bend	
Tensile Strength	1000N	
Weight	120kg/km 264.5lb/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	4.19Ω/km	
Outer Conductor DC Resistance	3.48Ω/km	
Impedance	50±1.5Ω	
Capacitance	75pF/m	
Velocity	88%	
Dielectric Strength	2.5kv	
Insulation Resistance	> 5000 MΩ/km	
Peak Power Rating	15.6KV	
Peak Voltage	1050V	
Cut-off Frequency	8.2GHz	
VSWR	1.15 @ 800MHz-1000MHz 1.20 @ 1700MHz-2200MHz 1.20 @ 2500MHz-3000MHz	

ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	4.90	1.56
450	7.51	1.02
800	10.2	0.75
900	10.9	0.69
1000	11.6	0.66
1500	14.4	0.53
1800	16.00	0.47
2000	17.00	0.45
2200	17.85	0.42
2500	19.30	0.40
3000	21.4	0.35