

Specifications



Models	C12SC (Stand Cable)	C12SC-Z (Fire-retardant Cable)
Inner Conductor	Material: CCA / Diameter: 3.58±0.03 (mm)	
Insulation	Material: Foamed PE / Diameter: 9.9±0.2 (mm)	
Outer Conductor	Material: Helical Corrugated Copper Tube / Diameter: 12±0.2 (mm)	
Jacket	Material: LLDPE or Fire-retardant PE / Diameter: 13.3±0.2 (mm)	

MECHANICAL SPECIFICATIONS

Bending Radius	17mm/Single Bend 55mm/Repeated Bend	
Tensile Strength	750N	
Weight	185kg/km 407.85lb/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	82pF/m	
Velocity	84%	
Dielectric Strength	3.0kv	
Insulation Resistance	>1×10 ⁴ MΩ/km	
Peak Power Rating	16KV	
Peak Voltage	1400V	
Cut-off Frequency	13GHz	
VSWR	≤1.15 @ 30MHz-2700MHz ≤1.20 @ 3300MHz-4200MHz ≤1.25 @ 4400MHz-6000MHz	

ATTENUATION

Frequency (MHz)	Attenuation (dB/100m) @ 20°C	Average Power (Kv)
200	4.60	1.53
450	7.04	1.00
800	9.57	0.74
900	10.20	0.69
1800	14.90	0.47
2000	15.80	0.45
2200	16.70	0.42
2500	17.90	0.39
2700	18.80	0.38
3000	19.90	0.36
3500	21.40	0.33
4000	23.50	0.30
5000	26.80	0.26
6000	29.80	0.24