

Plenum Cable

Prod. No: SC-PL

UL E473791

Overview

SureCall's Plenum rated cable is insulated with low smoke and low flame characteristics. Almost all large buildings utilize the ceiling for returning air to the AC unit, thereby making it a plenum ceiling which means all cables running through the ceiling needs to be plenum rated cable.

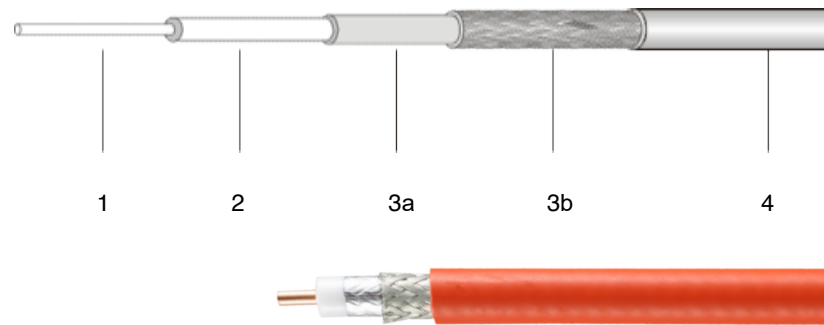


Construction Specification

Item	Material	Diameter (mm/Inch)
1. Inner Conductor	Copper clad aluminum wire	2.74/0.108
2. Dielectric	Foam PE	7.24/0.258
3. Outer Conductor	(a) Aluminum foil + (b) Tinned copper braid	8.13/0.320
4. Jacket	FRPE	8.93/0.352

Electrical Characteristics

Velocity (%)	85
Dielectric constant	1.73
Impedance(ohm)	50
Capacitance (pF/m)	78
Shielding Effectiveness(dB)	>90
Voltage Withstand (VDC)	2500
Jacket Spark(VAC)	8000



Mechanical and Environmental Characteristics

Bend Radius: Installation(mm)	45
Bend Radius: Repeated(mm)	65
Operating Temp (°C)	-40 ~+60
RoHS	Compliant
UL approved	CMP

Attenuation (20°C) @sea level

Frequency(MHz)	Typical Attenuation (dB/100m)
700 MHz	3.5
800 MHz	3.8
900 MHz	4
1900 MHz	5.9
2100 MHz	6.2
2500 MHz	6.8