

# Plenum Cable

Product Number: **SC-PL**

UL E473791

## Overview

SureCall's Plenum-rated SC-400 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.

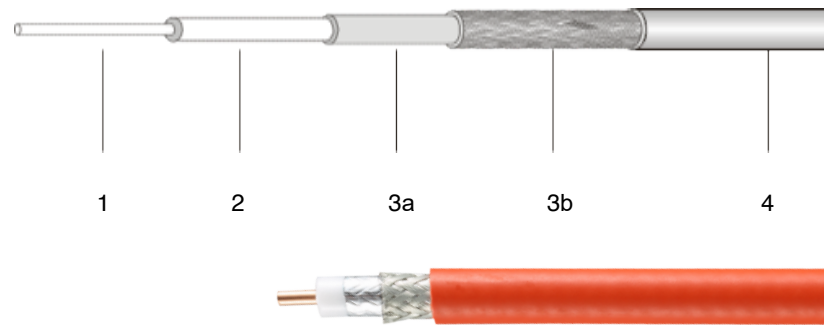


## Construction Specification

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/100ft)
700 MHz	3.5
800 MHz	3.8
900 MHz	4
1900 MHz	5.9
2100 MHz	6.2
2500 MHz	6.8