

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.

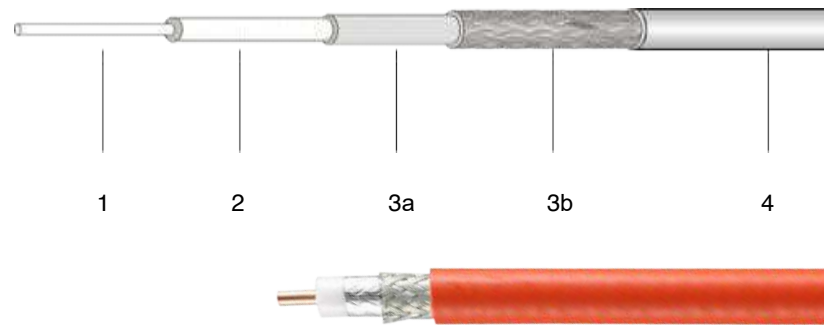


Construction Specification

| 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 |