



# Structured Cable Products®

Quality Installations Deserve Quality Products

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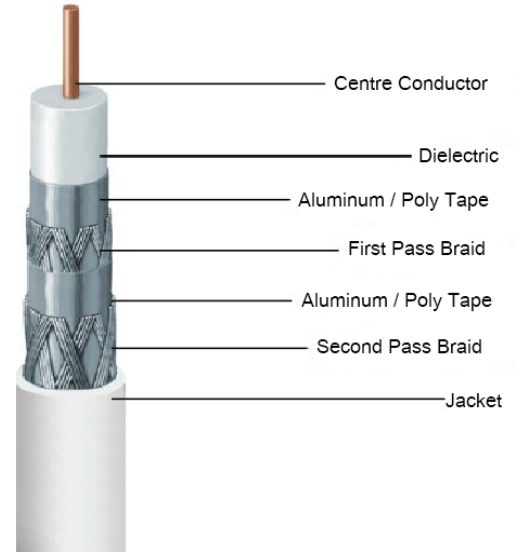
**SCP PART#: RG6/UQ-P-ETL-WT**

**DESCRIPTION:**

RG6/U Quad Shield Plenum Coax -18awg BC, 60%/40% AL Braid, ETL, CMP Jkt- White -1000ft Spool

## Construction

|                                       |  |
|---------------------------------------|--|
| <b>Center Conductor Material</b>      | Solid Bare Copper                      |
| <b>Center Conductor Gauge</b>         | 18AWG                                  |
| <b>Diameter Over Center Conductor</b> | 1.024 ± 0.008mm ( 0.040 inch )         |
| <b>Dielectric Material</b>            | Foam FEP                               |
| <b>Diameter Over Dielectric</b>       | 4.32 ± 0.15 mm ( 0.17 inch)            |
| <b>Inner Shield Foil</b>              | LST ( Laminated Shielding Tape )       |
| <b>Inner Shield Braid Gauge</b>       | 34 AWG Alum Braining Wire 60% Coverage |
| <b>Outer Shield Foil</b>              | LST ( Laminated Shielding Tape )       |
| <b>Outer Shield Braid Gauge</b>       | 34 AWG Alum Braining Wire 40% Coverage |
| <b>Jacket Material</b>                | Plenum PVC                             |
| <b>Jacket Nominal Tickness</b>        | 0.46mm ( 0.018 inch ) Average          |
| <b>Diameter Over Jacket, nominal</b>  | 6.8 ± 0.2mm ( 0.260 inch )             |



## Product Classification

|                              |                     |
|------------------------------|---------------------|
| <b>Product Type</b>          | Coaxial Video Cable |
| <b>Cable Type</b>            | Series 6            |
| <b>Center Conductor Type</b> | Solid               |
| <b>Construction Type</b>     | Non-armored         |
| <b>Jacket Color</b>          | White               |
| <b>Supported Application</b> | Video               |

## Electrical Properties

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Operationg Temp</b>          | -20°C ~ +75°C                        |
| <b>Spark Test</b>               | 2500V                                |
| <b>Capacitance</b>              | 16.0pF/FT.Nom. 52.5pF/m.Nom.         |
| <b>Characteristic Impedance</b> | 75.0±3.0 Ohms                        |
| <b>Velocity Propagation</b>     | 84.0% Nom.                           |
| <b>DCR Conductor</b>            | 6.4 Ohms/1000 FT. 21.0 Ohms/Km       |
| <b>SRL</b>                      | 20dB(1 thru 300MHz)100% Swept Tested |

## Attenuation

| Frequency (MHz) | Attenuation (dB/100 ft) | Attenuation (dB/100 m) |
|-----------------|-------------------------|------------------------|
| 1.0             | 0.42                    | 1.38                   |
| 10.0            | 0.95                    | 3.12                   |
| 50.0            | 1.60                    | 5.25                   |
| 100.0           | 2.20                    | 7.22                   |
| 200.0           | 3.20                    | 10.50                  |
| 400.0           | 4.70                    | 15.42                  |
| 700.0           | 6.60                    | 21.65                  |
| 900.0           | 7.90                    | 25.92                  |
| 1000.0          | 8.20                    | 26.90                  |
| 1200.0          | 8.80                    | 28.87                  |
| 1450.0          | 10.10                   | 33.14                  |
| 1800.0          | 11.80                   | 38.71                  |
| 2200.0          | 13.50                   | 44.29                  |
| 3000.0          | 16.50                   | 54.13                  |