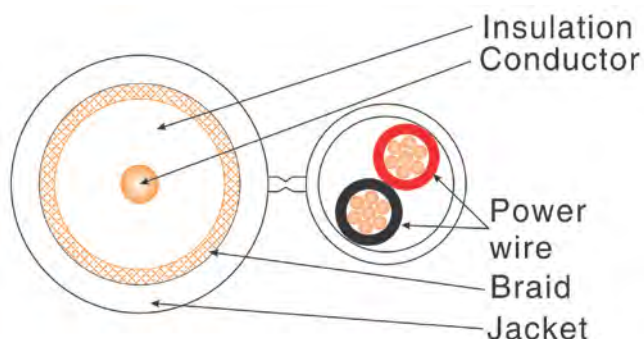


**SCP Part Number: RG59/U95-S-WT**

REV.A

**Cross Section**



**Description**

CCTV CABLE, RG59/U 20AWG BC + 18AWG/2C SIAMESE, 75OHMS,

**Marking**

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 20 AWG BC 75C MM/YY -- P/N: RG59/U95-S -- RG59/U SIAMESE COAX CCTV, 95% BC BRAID + 2C/18 AWG PWR CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

**Construction**

**RG59/U95 COAXIAL CABLE**

|                         |                     |
|-------------------------|---------------------|
| <b>Center Conductor</b> | <b>Bare Copper</b>  |
| Size                    | 20AWG               |
| Dia.(in/mm)             | 0.032/0.81          |
| <b>Insulate</b>         | <b>Skin Foam PE</b> |
| Nom. Thickness(in/mm)   | 0.056/1.42          |
| Insulation Dia.(in/mm)  | 0.144/3.66          |
| <b>Braid Shield</b>     | <b>Bare Copper</b>  |
| Coverage area (%)       | 95                  |
| <b>Jacket</b>           | <b>White FR-PVC</b> |
| Nom. Thickness(in/mm)   | 0.030/0.76          |
| Min. Thickness(in/mm)   | 0.024/0.61          |
| Cable Dia.(in/mm)       | 0.236/6.00          |

**POWER WIRE**

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Conductor</b>          | <b>18AWG Stranded Bare Copper</b> |
| Size                      | 7×26AWG                           |
| <b>Insulation</b>         | <b>Black&amp;Red FR-PVC</b>       |
| Insulation Dia.(in/mm)    | 0.067/1.70                        |
| Cabling Lay Length(in/mm) | 2/50.8                            |
| <b>Jacket</b>             | <b>White FR-PVC</b>               |
| Thickness(in/mm)          | 0.019/0.48                        |

**Coaxial cable and power wire with "8"**

|                      |                     |
|----------------------|---------------------|
| <b>Packing</b>       | <b>Wooden Spool</b> |
| Length(ft/m)         | 1000/305            |
| Gross Weight(lbs/kg) | 51.15/23.20         |

**Performance**

**Electrical Characteristics:[@68°F.(20°C.)]**

| Frequency (MHz) | Attenuation (dB/100ft) | Attenuation (dB/100m) |
|-----------------|------------------------|-----------------------|
| 1               | 0.24                   | 0.79                  |
| 10              | 0.76                   | 2.50                  |
| 55              | 2.05                   | 6.73                  |
| 100             | 2.60                   | 8.53                  |
| 250             | 4.10                   | 13.45                 |
| 400             | 5.37                   | 17.60                 |
| 550             | 5.95                   | 19.52                 |
| 750             | 6.98                   | 22.87                 |
| 865             | 7.52                   | 24.67                 |
| 1000            | 8.13                   | 26.64                 |

|                                     |                |
|-------------------------------------|----------------|
| Dielectric Strength (kV/min)        | 1              |
| Impedance (ohms)                    | 75±3.0         |
| SRL (dB)                            | 5~1000MHz >=20 |
| Capacitance (pF/ft)                 | 16.2           |
| Conductor DCR@ 20°C (ohms/kft)      | 10.43          |
| DC Loop Resistance@ 20°C (ohms/kft) | 14.95          |
| Velocity Of Propagation (%)         | 85             |

**Mechanical Characteristics:**

|                                 |                                  |
|---------------------------------|----------------------------------|
| Test Object:                    | Jacket                           |
| Test Material                   |                                  |
| Before                          | Tensile strength (psi) >=2000    |
| Aging                           | Elongation (%) 200               |
| Aging Condition                 | (°C_hrs) 100_168                 |
| After                           | Tensile strength (%) >=85%unaged |
| Aging                           | Elongation (%) >=50%unaged       |
| Cold Bend                       | (-20±2°C/4hrs) No crack          |
| Jacket Longitudinal Shrinkage   | (%) >=5                          |
| Center Conductor break Strength | (lbs) 85                         |
| Operating Temperature Range     | (°C) -20~75                      |

**Standards**

UL, CE, RoHS