

# RG59 B/U 75 Ohm Shotgun COAX 2\*0.50mm LSF

## Key Features

- Ideal for Broadcast and CCTV
- Stranded Bare Copper Conductor
- LSF Sheath

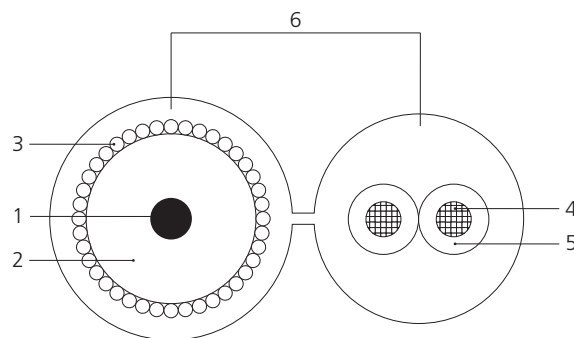
## Coaxial and Specialist Cable

### General Description:

High quality RG Type Coaxial Cable 75Ohm is specifically suited to broadcast and CCTV installation and is appropriate for numerous other applications. Running parallel to the coaxial is a cable consisting of 2 cores of 0.50mm stranded bare copper suitable for low voltage power or signal.

### Relevant Test Standards:

UL1581 and UL444



### Part Numbers

|            |                                                  |
|------------|--------------------------------------------------|
| TRI-001059 | RG59 B/U 75 Ohm Shotgun Coax 2*0.50mm LSF – 100m |
| TRI-000052 | RG59 B/U 75 Ohm Shotgun Coax 2*0.50mm LSF – 200m |
| TRI-000049 | RG59 B/U 75 Ohm Shotgun Coax 2*0.50mm LSF – 500m |

### Cable Construction:

### Material Breakdown:

|                        |                         |                              |
|------------------------|-------------------------|------------------------------|
| Conductor (1)          | Material                | Solid Copper Clad Steel      |
|                        | Nom. O.D. (mm)          | 0.58 up +0.010   down -0.010 |
| Dielectric (2)         | Material                | SPE                          |
|                        | Diameter                | 3.70+0.18mm                  |
| Jacket (6)             | External O.D. Conductor | 6.20mm(+/-0.25mm)            |
|                        | External O.D. Power     | 5.60mm(+/-0.25mm)            |
|                        | External O.D. Shotgun   | 12.4mm(+/-0.50mm)            |
|                        | Surface                 | Clean / Smooth               |
|                        | Outer Material          | LSF (complies RoHS)          |
|                        | Colour                  | Black                        |
| Conductor Braiding (3) | Material                | Copper Clad Aluminum Shield  |
|                        | Nom. O.D. (mm)          | 0.12mm*16(+/-0.008mm)        |
| Power Conductor (4)    | Material                | Stranded Bare Copper         |
|                        | Nom O.D.(mm)            | 0.20mm*16(+/-0.008mm)        |
| Power Dielectric (5)   | Material                | PVC                          |
|                        | Diameter                | 1.80mm*2(+/-0.15mm)          |



#### Electrical Characteristics:

|                          |                               |                |
|--------------------------|-------------------------------|----------------|
| Conductor Resistance (1) | 20°C, Conductor DC Resistance | < 23.50Ω /100M |
| Conductor Resistance (2) | 20°C, Conductor DC Resistance | < 4.12Ω /100M  |
| Rated Voltage            |                               | 300v           |
| Rated Temperature        |                               | 80°C           |
| Impedance (Ω)            |                               | 75+5Ω          |
| Capacitance (pF/m)       |                               | 67 (+/-5(pF/m) |

#### Attenuation at 20°C (-dB/100m)(±15%):

| Frequency (MHz) | -dB/100m (+/-15%) |
|-----------------|-------------------|
| 5               | 6.5               |
| 10              | 7.0               |
| 200             | 16.4              |
| 400             | 23.9              |
| 800             | 35.4              |
| 1000            | 40.7              |