Caledonian

# RG59/U

Product Name/Code : RG59/U

## Application

For communication and signal control systems.

## Reference Standard

Customer's sample spec. and the general standard

## Cable Construction

| | |
|---|---|
| **Center Conductor** | **Bare Copper** |
| Dia. | 1/0.813 |
| **Insulation** | **Solid PE** |
| Nom. Thickness(mm) | 1.45 |
| Insulation Dia. (±0.03mm) | 3.7 |
| **Braid Shield** | **Bare Copper Braid** |
| Construction | 16/ 6/0.12 |
| Coverage Area(%) | >=66 |
| **Jacket** | **PVC** |
| Nom. Thickness(mm) | 1.10 |
| Cable Dia.(±0.10mm) | 6.10 |
| **Jacket Compound** | **PVC/LSF/LSOH** |
| Core Identification/Color Code | According to customer request |
| Bending Radius | 6 x Overall Diameter |
| Temperature Rating | 70C |
| Voltage Rating | 300/500V |

## Fire Performance

Flame Propagation Test to IEC 60332 Part 1 ( PVC /LSOH)
Flame Propagation Test to IEC 60332 Part 1 and Part 3 ( FRPVC/LSFROH )
Determination of the amount Halogen Acid Gas to IEC 60754 Part 1 ( LSOH )
Smoke Density Test to IEC 61034 ( LSOH )
Oxygen Index Test to BS 2863 or ISO 4589-2 ( LSOH )
Temperature Index Test to BS 2782 or ISO 4589-3 ( LSOH )

## Electrical Performance

Electrical Characteristics

| Frequency (MHz) | Attenuation (dB/100m) |
|---|---|
| 50 | 3.9 |
| 100 | 9.4 |
| 200 | 11.7 |
| 400 | 17.2 |
| 700 | 20.5 |
| 900 | 24.8 |
| 1000 | 27.5 |
| **Operating Temperature( ℃ )** | 60 |
| **Capacitance(pF/m)** | 52 |
| **Velocity ratio (+/-5%)** | 82.4 |
| **Impedance(+/-3 Ω )** | 75 |