

RG Coaxial Cable



Application

RG6, RG11, RG58, RG59, RG179, RG213 cables for high quality RG Type Coaxial cables, 50 or 75 Ohm is suitable for many applications, including low power video, video signal, and broadband signals.

Standards

EN 50117-1

Flame Retardant to EN 60332-3-10, IEC/EN 60332-1-2

Characteristics

Voltage Rating

30V

Temperature Rating

-20°C to +75°C



Construction

Conductor

RG6 / RG11 / RG59: CCS (Copper Clad Steel)

RG58 / RG179: TCW (Tinned Copper Wire)

RG59 Shotgun: CCA (Copper Clad Aluminium)

RG213: Plain Copper

Insulation

RG6 / RG11 / RG 179: FPE (Foam Skin Polyethylene)

RG58 / RG59 / RG59 Shotgun / RG213: PE (Polyethylene)

Shield

RG6: Aluminium foil

Braiding

RG6 / RG59 / RG59 Shotgun: CCA (Copper Clad Aluminium)

RG58: TCWB (Tinned Copper Wire Braid)

Sheath

RG6 / RG11 / RG58 / RG59 / RG179 / RG213: PVC (Polyvinyl Chloride)

RG59 Shotgun / RG213 LSZH: LSZH (Low Smoke Zero Halogen)

Sheath Colour

Black



Dimensions

| COAXIAL CABLE | NO. OF STRANDS | NOMINAL DIAMETER OF STRANDS mm | NOMINAL OVERALL DIAMETER OF INSULATION mm | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|-----------------------|----------------|-----------------------------------|--|--------------------------------|-------------------------|
| RG6 | 1 | 1.02 | 4.6 | 6.6 | 37 |
| RG11 | 7 | 0.4 | 7.24 | 10.1 | 152 |
| RG59 | 1 | 0.58 | 3.7 | 6.15 | 52 |
| RG59 SHOTGUN LSZH CCA | 1 (2) | 0.58 | 3.7 | 6.1 x 12.4 | 91 |
| RG179 | 1 | 0.36 | 1.65 | 3.05 | 15 |
| RG213 PVC | 7 | 0.75 | 7.24 | 10.3 | 57 |
| RG213 LSZH | 7 | 0.75 | 7.25 | 10.3 | 57 |
| RG58PVC | 19 | 0.18 | 2.95 | 4.95 | - |

Electrical Characteristics

| COAXIAL CABLE | NOMINAL CAPACITANCE pf/m | IMPEDANCE ohms | VELOCITY RATIO % |
|-----------------------|-----------------------------|-------------------|---------------------|
| RG6 | 54 | 75 | 85 |
| RG11 | 54 | 75 | 85 |
| RG59 | 72 | 75 | 66 |
| RG59 SHOTGUN LSZH CCA | 70 | 75 | 66.6 |
| RG179 | 54 | 75 | 82 |
| RG213 PVC | 101 | 50 | 81 |
| RG213 LSZH | 101 | 50 | 81 |
| RG58PVC | 97 | 50 | 60 |



The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.