

RG11 75 Ohm CATV Coaxial Cable



TECHNICAL FEATURES

| | |
|-------------------------------|--|
| Conductor: | Soild wire |
| Insulation: | Foam PE Polyethylene colour natural |
| Tape shield (if applicable) : | Alluminium polyester tape h27mm, 100% coverage |
| Braid shield: | Bare copper or Aluminium |
| Sheath material: | Polyvinyl Chloride (PVC) Colour Black or Transparent |
| Temperature range: | -30 / 70°C |
| Standards: | IEC 611961-1 / (BS) 50117 / EN 50290-2 |

APPLICATION

RG11 Coax cable 75 Ohm is primarily used for longer distance runs for residential and commercial antenna, cable television and satellite installations

SPECIAL FEATURES

lead Free CEI 20-52
Conform to RoHS

REMARKS

CE acc. to EC low-voltage Directory 73/23/EEC and 73/23/EEC and 93/68/EEC
Standard put up: 305 meters drums

Physical characteristics

| ITALICAB part number | | ITAL038 | ITAL040 |
|-----------------------------|--------|-------------|-------------|
| Conductor size | AWG | 14 | 14 |
| Nom. Diameter of conductor | mm | 1,63 | 1,63 |
| Conductor material | type | CCS | BC |
| Dielectric Pee/PH Ø | mm | 7,20 | 7,20 |
| Tape shield | Yes/No | Yes | No |
| Braid shield | % | > 60 | > 95 |
| Braid material | type | Al | BC |
| Nom. Overall outer diameter | mm | 10,2 ± 0,10 | 10,3 ± 0,10 |
| Impedance | Ohm | 75 ± 3 | 75 ± 3 |
| Capacitance | pF/m | 53,0 | 53,0 |
| Velocity Ratio | % | 84,0 | 84,0 |
| Inner conductor resistance | Ohm/km | 8,2 | 8,2 |
| Braid resistance | Ohm/km | 10,0 | 4,8 |
| Testing voltage, Spark-test | kV | 5,0 | 5,0 |
| Min bending radius | mm | 51,0 | 51,0 |
| Cable weight | kg/km | 87,6 | 126,4 |

Cu (BC) Copper - bare copper

CuSn Tinned copper

Al Aluminum

CCS Copper Clad Steel

CCA Copper Clad Aluminium

MATV Master Antenna television

CATV Community Antenna television

DGSAT Digital Satellite

CCTV closed circuit television (security)

| Frequency MHz | Max Attuation at 20°C (dB/100m)(±8%) | Max Attuation at 20°C (dB/100m)(±8%) |
|------------------|---|---|
| | dB/100mt | dB/100mt |
| 5 | 0,8 | 1,0 |
| 10 | 1,0 | 1,5 |
| 50 | 2,8 | 3,2 |
| 100 | 4,0 | 4,4 |
| 200 | 5,9 | 6,3 |
| 300 | 6,9 | 7,9 |
| 470 | 8,9 | 10,0 |
| 600 | 10,2 | 11,4 |
| 800 | 12,1 | 13,4 |
| 862 | 12,3 | 13,9 |
| 1000 | 13,5 | 15,2 |
| 1350 | 16,3 | 18,0 |
| 1500 | 17,4 | 18,9 |
| 1750 | 18,8 | 20,8 |
| 2150 | 21,1 | 23,5 |
| 2400 | 22,4 | 24,6 |
| 2750 | 24,0 | 27,1 |
| 3000 | 25,4 | 29,6 |

ITAL038

ITAL040

Structural Return Loss dB

| | | | |
|-----------------|-------|-----------------|-------|
| 30 + 470 MHz | >31dB | 30 + 300 MHz | >31dB |
| 470 + 862 MHz | >28dB | 300 + 800 MHz | >29dB |
| 862 + 2400 MHz | >24dB | 800 + 1000 MHz | >28dB |
| 2400 + 3000 MHz | >20dB | 1000 + 2000 MHz | >24dB |
| | | 2000 + 3000 MHz | >20dB |

Screening attenuation dB

| | | | |
|-----------------|-------|-----------------|-------|
| 30 + 1000 MHz | >90dB | 100 + 900 MHz | >57dB |
| 1000 + 2000 MHz | >80dB | 900 + 2000 MHz | - |
| 2000 + 3000 MHz | >70dB | 2000 + 3000 MHz | - |