



TECHNICAL DATA SHEET

433945 RG6

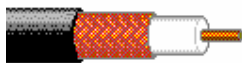
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APPLICATION

ANALOG VIDEO/CCTV.

SUITABILITY

Indoor.



CONSTRUCTION

1. COAX 6/U

1.1. Conductor

| | |
|----------------------------|-------------------|
| nominal conductor diameter | 1.02 mm (AWG18) |
| Material | solid bare copper |

1.2. Dielectric

| | |
|----------------------------------|-----------|
| Material | Foamed PE |
| Nominal diameter over dielectric | 4.57 mm |

1.3. Shield

| | |
|----------|-----------|
| Type | Braid |
| Material | Bare – Cu |
| Coverage | 95% |

3. Sheath

| | |
|------------------------------|---------|
| Material | FRNC |
| Colour | Grey |
| Nominal thickness of sheath | 0.70 mm |
| Nominal diameter over sheath | 6.75 mm |

ELECTRICAL REQUIREMENTS AND TEST METHODS

COAX

| | |
|----------------------------------|---------------------|
| Nom. characteristic impedance | 75 Ω |
| Nominal resistance conductor | 21 Ω /km |
| Nominal resistance shield | 16.4 Ω /km |
| Nom. capacitance cond. to shield | 53.4 pF/m |
| Nominal delay | 4.0 ns/m |
| Nominal velocity of propagation | 83 % |
| Testvoltage conductor-conductor | 2500 VDC, 3 seconds |
| Testvoltage conductor-screen | 2500 VDC, 3 seconds |
| Voltage rating | 300 V RMS |

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| | | | | | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|
| Freq. (MHz) | 1 | 10 | 50 | 100 | 200 | 400 | 700 | 900 | 1000 |
| Nom. Att. (dB/100 m) | 0.78 | 2.10 | 4.92 | 6.56 | 9.51 | 13.8 | 18.4 | 21.0 | 23.0 |

Mechanical and physical:

| | |
|--|---------------|
| Flame resistance | u.c. |
| Temperature range processing and operating | -30 to +70 °C |
| Temperature range storage | -30 to +70 °C |
| Minimum bending/setting radius | 10*D/5*D |
| Maximum pulling tension | 30N |

MARKINGNEW GENERATION(R) BY BELDEN 433945 HALOGEN FREE 1C18 70C +sequential
length marking