



TECHNICAL DATA SHEET

443945 RG59

code
version **1**
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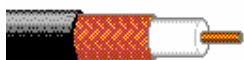
APPLICATION

Analog Video/CCTV coax

SUITABILITY

Indoor.

CONSTRUCTION



COAX 59/U

1.1. Conductor

nominal conductor diameter 0.813 mm (AWG20)
Material solid bare copper

1.2. Dielectric

Material Foamed PE
Nominal diameter over dielectric 3.68mm

1.3. Shield

Type Braid
Material Bare – Cu
Coverage 95%

1.4. Sheath

Material FRNC
Colour Grey
Nominal thickness of sheath 0.8 mm
Nominal diameter over sheath 5.90 mm

ELECTRICAL REQUIREMENTS AND TEST METHODS

COAX

Nom. characteristic impedance 75 Ω
Nominal resistance conductor 32.81 Ω /km
Nominal resistance shield 11.484 Ω /km
Nom. capacitance cond. to shield 53.5 pF/m
Nominal delay 4.0 ns/m
Nominal velocity of propagation 83 %
Testvoltage conductor-screen 2500 VDC, 3 seconds

Freq. (MHz)	1	5	10	50	100	200	400	700	900	1000
Nom. Att. (dB/100 m)	0.98	2.13	2.95	6.23	8.53	11.8	16.4	23.0	26.2	27.9



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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

MARKING

NEW GENERATION(R) BY BELDEN 443945 HALOGEN FREE 1C20 70C +sequential length marking

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