Belden

TECHNICAL DATA SHEET

code

version 1

date 2004-04-20

443945 RG59

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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

MaterialFRNCColourGreyNominal thickness of sheath0.8 mmNominal diameter over sheath5.90 mm

ELECTRICAL REQUIREMENTS AND TEST METHODS

COAX

Nom. characteristic impedance75 Ω Nominal resistance conductor32.81 Ω /kmNominal resistance shield11.484 Ω /kmNom. capacitance cond. to shield53.5 pF/mNominal delay4.0 ns/mNominal velocity of propagation83 %

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