



## TECHNICAL DATA SHEET

433945 RG6

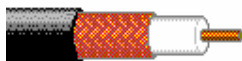
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### APPLICATION

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 $\Omega$
Nominal resistance conductor	21 $\Omega$ /km
Nominal resistance shield	16.4 $\Omega$ /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

**MARKING**

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

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