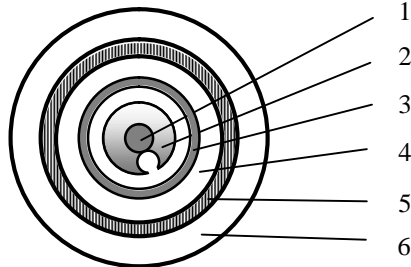
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APPLICATION

Instrumentation and computer coax for data transmission applications. RG-62A/U.

CONSTRUCTION




1. Conductor	AWG22 bare Cu covered steel
2. Dielectric (semi-solid)	
Material	Polyethylene
Diameter over insulation	3.71 ± 0.13 mm
Colour of dielectric	Clear
3. Braiding	
Material	AWG34 bare Cu
Coverage	95 %
4. Sheath	
Material	FRNC
Colour	Black
Nominal thickness	0.89 mm
Nominal diameter	6.10 mm
5. Armouring	
Material	Single Steel Wire 0.90 mm
Optical coverage	>95 %
6. Sheath	
Material	FRNC
Colour	Black
Nominal thickness	1.30 mm
Nominal diameter over sheath	10.55 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor @ 20 °C	135.2 Ω/km
Nominal resistance shield @ 20 °C	9.5 Ω/km
Nominal capacitance conductor to shield	44.3 pF/m
Nominal impedance	93 Ω
Nominal velocity of propagation	84 %
Nominal delay	4.0 ns/m
Nominal inductance	0.38 μH/m
Nominal attenuation @ 1 MHz	0.82 dB/100m
Nominal attenuation @ 10 MHz	2.79 dB/100m
Nominal attenuation @ 50 MHz	6.23 dB/100m
Nominal attenuation @ 100 MHz	8.86 dB/100m

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Nominal attenuation @ 200 MHz	12.47 dB/100m
Nominal attenuation @ 400 MHz	17.39 dB/100m
Nominal attenuation @ 700 MHz	23.95 dB/100m
Nominal attenuation @ 900 MHz	26.90 dB/100m
Nominal attenuation @ 1000 MHz	28.54 dB/100m
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	750 V RMS

Mechanical and physical:

Flame resistance	IEC 60332-3C
Oil resistance	ASTMD741
Radiation resistance	IEC544 (CERN)
Application specification	BS 7655 section 6.1 table 1, LTS 3
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	≤ 100 μS/cm
pH value	≥ 3.5
Temperature range installing	-15 to +80 °C
Temperature range operating (moving installation)	-15 to +80 °C
Temperature range operating (fixed installation)	-45 to +80 °C
Temperature range storage	-45 to +80 °C
Minimum bending radius	15 x cable diameter

PACKAGING

On non-returnable reels (E 590) with a nominal length of 500m (-0, +20%) or on non-returnable reels (E 800) with a nominal length of 1000m (-0, +20%).

Each reel is labelled with the following data:

Belden Logo. Belden code number. Item description. Length on the reel. Date of manufacture. CE-marking.



Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.