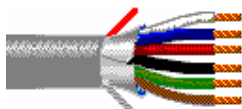


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APPLICATION

Intercom/PA Systems, Sound/Audio Systems.

CONSTRUCTION



1. Conductor

Diameter of conductor

0.75mm (AWG22)

Material

stranded bare copper (7xAWG30)

2. Insulation

Material

PE

Diameter over insulation

1.25 ± 0.05 mm

Wallthickness

0.25 mm

3. Overall Cabling

Colour code

black-red-white-green-brown-blue-orange-yellow

4. Outer shield

Shield

Beldfoil®)

Shield Material

Aluminium / Polyester tape

Shield Thickness Alu

9 µm

Shield coverage

100%

Drainwire

AWG24 (7xAWG32) tinned Cu

4. Sheath

Material

FRNC

Colour

Grey

Nominal thickness of sheath

0.38 mm

Diameter over sheath

5.0 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor

54 Ω/km

Nominal resistance shield

46 Ω/km

Nom. capacitance conductor to conductor @ 1kHz

105 pF/m

Nom. capacitance cond. to shield + other cond. @ 1kHz

185 pF/m

Testvoltage conductor-conductor

2500 VDC, 3 seconds

Testvoltage conductor-screen

2500 VDC, 3 seconds

Voltage rating

300 V RMS

Maximum continues current per conductor @ 25 °C

2.0 A per conductor @ 25 °C

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Mechanical and physical:

Flame resistance	u.c.
Temperature range processing and operating	-20 to +70 °C
Temperature range storage	-30 to +70 °C
Minimum bending/setting radius	5*D/10*D
Maximum pulling tension	35 N

MARKING

NEW GENERATION(R) BY BELDEN 4506FE HALOGEN FREE 70C 8C22 SHIELDED + sequential meter marking.



Belden CDT believes 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.