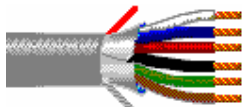
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APPLICATION

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.

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