



TECHNICAL DATA SHEET

concept

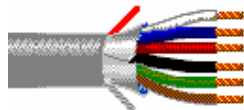
4504FE NON-PAIRED

code
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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

4. Outer shield

Shield Beldfoil®
Shield Material Aluminium / Polyester tape
Shield Thickness Alu 9 μ m
Shield coverage 100%
Drainwire AWG24 (7xAWG32) tinned Cu

4. Sheath

Material FRNC
Colour Grey
Nominal thickness of sheath 0.38 mm
Diameter over sheath 4.6 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor 54 Ω /km
Nominal resistance shield 50 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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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	28 N
Halogen free according to	IEC 60754-1
Non dense smoke according to	IEC 61034-1 and 61034-2
Non corrosive gas according to	IEC 60754-2
Flame Retardant according to	IEC 60332-1

MARKING

NEW GENERATION(R) BY BELDEN 4504FE HALOGEN FREE 70C 6C22 SHIELDED + sequential meter marking.