



TECHNICAL DATA SHEET

concept

4400FE NON-PAIRED

code
version **1**
date **2004-04-27**
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APPLICATION

Intercom/PA Systems, Sound/Audio Systems.

CONSTRUCTION



1. Conductor	
Diameter of conductor	0.96mm (AWG20)
Material	stranded bare copper (7xAWG28)
2. Insulation	
Material	PE
Diameter over insulation	1.45 ± 0.05 mm
Wallthickness	0.25 mm
3. Overall Cabling	
Colour code	black-red
4. Outer shield	
Shield	Beldfoil®)
Shield Material	Aluminium / Polyester tape
Shield Thickness Alu	9 µm
Shield coverage	100%
Drainwire	AWG22 (7xAWG30) tinned Cu
4. Sheath	
Material	FRNC
Colour	Grey
Nominal thickness of sheath	0.38 mm
Diameter over sheath	3.70 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	34 Ω/km
Nominal resistance shield	36 Ω/km
Nom. capacitance conductor to conductor @ 1kHz	180 pF/m
Nom. capacitance cond. to shield + other cond. @ 1kHz	330 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	3.75 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	11 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 4400FE HALOGEN FREE 70C 2C20 SHIELDED + sequential meter marking.