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APPLICATION

Commercial applications shielded

CONSTRUCTION



1. Conductor

Diameter of conductor 1.45mm (AWG16)
Material stranded bare copper (19xAWG29)

2. Insulation

Material PE
Diameter over insulation 1.95 ± 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 μ m
Shield coverage 100%
Drainwire AWG18 (19xAWG30) tinned Cu


4. Sheath

Material FRNC
Colour Grey
Nominal thickness of sheath 0.38 mm
Diameter over sheath 4.8 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	13.1 Ω /km
Nominal resistance shield	15.4 Ω /km
Nom. capacitance conductor to conductor @ 1kHz	250 pF/m
Nom. capacitance cond. to shield + other cond. @ 1kHz	450 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	6.25 A per conductor @ 25 °C

 SENDING ALL THE RIGHT SIGNALS	TECHNICAL DATA SHEET	code	4200FE
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Mechanical and physical:

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	200 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 4200FE HALOGEN FREE 70C 2C16 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.