



TECHNICAL DATA SHEET

concept

4200UE NON-PAIRED

code
version **1**
date **2004-04-20**
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APPLICATION

Commercial applications

CONSTRUCTION



1. Conductor

Diameter of conductor
Material

1.45mm (AWG16)
stranded bare copper (19xAWG29)

2. Insulation

Material
Diameter over insulation
Wallthickness

PE
1.95 ± 0.05 mm
0.25 mm

3. Overall Cabling

Colour code

black – red

4. Sheath

Material
Colour
Nominal thickness of sheath
Diameter over sheath

FRNC
Grey
0.38 mm
4.7 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor
Nom. capacitance conductor to conductor @ 1kHz
Testvoltage conductor-conductor
Voltage rating
Maximum continues current per conductor @ 25 °C

13.8 Ω/km
105 pF/m
2500 VDC, 3 seconds
300 V RMS
6.25 A per conductor @ 25 °C

Mechanical and physical:

Temperature range processing and operating
Temperature range storage
Minimum bending/setting radius
Maximum pulling tension
Halogen free according to
Non dense smoke according to
Non corrosive gas according to
Flame Retardant according to

-20 to +70 °C
-30 to +70 °C
5*D/10*D
25 N
IEC 60754-1
IEC 61034-1 and 61034-2
IEC 60754-2
IEC 60332-1



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MARKING

NEW GENERATION(R) BY BELDEN 4200UE HALOGEN FREE 70C 2C16 + sequential meter marking.