



## TECHNICAL DATA SHEET

concept

4200UE NON-PAIRED

code  
version **1**  
date **2004-04-20**  
page **1/2**

### APPLICATION

Commercial applications

### CONSTRUCTION



#### 1. Conductor

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

#### 2. Insulation

Material PE  
Diameter over insulation  $1.95 \pm 0.05$  mm  
Wallthickness 0.25 mm

#### 3. Overall Cabling

Colour code black – red

#### 4. Sheath

Material FRNC  
Colour Grey  
Nominal thickness of sheath 0.38 mm  
Diameter over sheath  $4.7 \pm 0.30$  mm

### REQUIREMENTS AND TEST METHODS

#### Electrical:

Nominal resistance conductor 13.8  $\Omega$ /km  
Nom. capacitance conductor to conductor @ 1kHz 105 pF/m  
Testvoltage conductor-conductor 2500 VDC, 3 seconds  
Voltage rating 300 V RMS  
Maximum continues current per conductor @ 25 °C 6.25 A per conductor @ 25 °C

#### Mechanical and physical:

Temperature range processing and operating -20 to +70 °C  
Temperature range storage -30 to +70 °C  
Minimum bending/setting radius  $5 \cdot D / 10 \cdot D$   
Maximum pulling tension 25 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



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page **2/2**

**MARKING**

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

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