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## APPLICATION

Commercial applications

## CONSTRUCTION



### 1. Conductor

Diameter of conductor 1.8 mm (AWG14)  
Material stranded bare copper (19xAWG27)

### 2. Insulation

Material PE  
Diameter over insulation  $2.52 \pm 0.05$  mm  
Wallthickness 0.35 mm

### 3. Overall Cabling

Colour code black – white

### 4. Sheath

Material FRNC  
Colour Grey  
Nominal thickness of sheath 0.38 mm  
Diameter over sheath  $5.9 \pm 0.30$  mm


## REQUIREMENTS AND TEST METHODS

### Electrical:

Nominal resistance conductor 8.3  $\Omega$ /km  
Nom. capacitance conductor to conductor @ 1kHz 270 pF/m  
Testvoltage conductor-conductor 2500 VDC, 3 seconds  
Voltage rating 300 V RMS  
Maximum continues current per conductor @ 25 °C 8 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 56 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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**MARKING**

NEW GENERATION(R) BY BELDEN 4100UE HALOGEN FREE 70C 2C14 + 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.