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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 ± 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 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor 8.3 Ω /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.