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 ± 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 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	13.8 Ω/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*D/10*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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MARKING

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

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