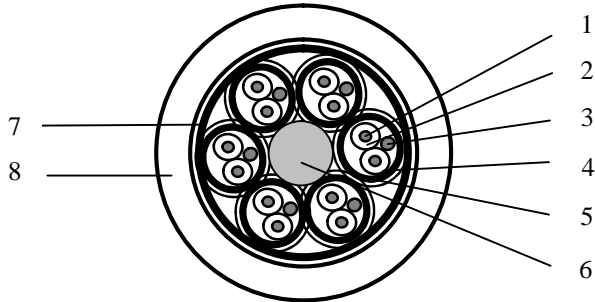
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APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION



1. Conductor	AWG22 (7xAWG30) tinned Cu
2. Insulation Material Diameter over insulation Colour of insulation	Polypropylene 1.27 ± 0.05 mm Pair 1: Black and red Pair 2: Black and white Pair 3: Black and green Pair 4: Black and blue Pair 5: Black and yellow Pair 6: Black and brown
3. Drainwire	AWG22 (7xAWG30) tinned Cu
4. Foil (Z-fold®) Material Thickness Colour of foil	Aluminium / Polyester 9 / 12 µm Pair 1: Red Pair 2: Green Pair 3: Blue Pair 4: Blue Pair 5: Blue Pair 6: Blue
5. Foil Material Thickness	Polyester 12 µm
6. Filler Material Diameter Colour	Foamed flame retarded Polypropylene 2.50 mm Blue
7. Foil Material Thickness	Polypropylene 12 µm

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8. Sheath

Material	FRNC (UV stabilised)
Colour	Chrome (like RAL 7037)
Nominal thickness	0.89 mm
Nominal diameter	9.50 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	49.2 Ω/km
Nominal resistance shield	34.8 Ω/km
Nominal capacitance conductor to conductor of a pair	98.4 pF/m
Nominal capacitance conductor to shield + other cond.	180.4 pF/m
Nominal inductance of pair	0.59 μH/m
Nominal impedance	50 Ω
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continues current per conductor @ 25 °C	2.0 A

Mechanical and physical:

Flame resistance	IEC 60332-3C
Oil resistance	ASTMD741
Radiation resistance	IEC544 (CERN)
Application specification	BS 7655 section 6.1 table 1, LTS 3
Temperature range installing	-15 to +80 °C
Temperature range operating (moving installation)	-15 to +80 °C
Temperature range operating (fixed installation)	-45 to +80 °C
Temperature range storage	-45 to +80 °C
Minimum bending radius	10 x cable diameter

PACKAGING

On non-returnable reels with a nominal length of 305m (-0, +10%) or non-returnable reels with a nominal length of 500m (-0, +10%) or on non-returnable reels with a nominal length of 1000m (-0, +10%).

Each reel is labelled with the following data:

Belden Logo. Belden code number. Item description. Length on the reel. Date of manufacture. CE-marking.



Belden declares 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.