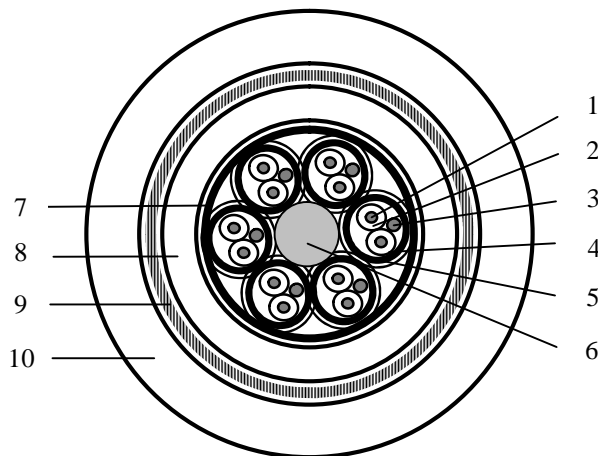
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APPLICATION

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

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6. Filler

Material	Foamed flame retarded Polypropylene
Diameter	2.50 mm
Colour	Blue

7. Foil

Material	Polypropylene
Thickness	12 µm

8. Sheath

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

9. Armouring

Material	Single steel wire 1.25 mm
Optical coverage	>95 %


10. Sheath

Material	FRNC (UV stabilised)
Colour	Black
Nominal thickness	1.35 mm
Nominal diameter	13.90 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
Test voltage conductor-conductor	2500 VDC, 3 seconds
Test voltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continues current per conductor @ 25 °C	2.0 A

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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
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	≤ 100 μS/cm
pH value	≥ 3.5
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	15 x cable diameter

PACKAGING

On non-returnable reels with a nominal length of 500m (-0, +20%) or on non-returnable reels with a nominal length of 1000m (-0, +20%).

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.