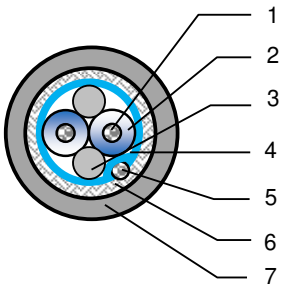
79841NH

Instrumentation and computer cable
1PAIR AWG24 (7xAWG32) tinned copper
PE insulation
Beldfoil + copper drain wire
Tinned copper braid
FRNC (UV stabilised) sheath.



Applications

- For EIA RS-485 data transmission applications.

General Standards

- EN 50290-2-27

Construction & Dimensions

1. Inner Conductor	
Material	Tinned copper
Dimensions	7xAWG32
Cross section	AWG 24 / 0.22mm2
Conductor standard	UL 444
2. Insulation	
Material	Polyethylene
Diameter over insulation	1.73 ± 0.05 mm
Colour of insulation	White/blue and blue/white
3. Filler (2x)	
Material	Polypropylene
4. Foil (Beldfoil®)	
Material	Aluminium / Polyester
5. Drain wire	
Material	Tinned copper
Dimensions	AWG24 (7xAWG32)
6. Braid	
Material	Tinned copper
7. Sheath	
Material	FRNC (UV stabilised)
Colour	Gray (like RAL 7037)
Nominal thickness	0.9 mm
Nominal diameter	5.90 mm

Mechanical characteristics

Parameter	Specification	Unit
Flame resistance	IEC 60332-1-2	
Smoke emission	IEC 61034	
Resistance to fire according EN50575	Dca-s2,d2,a1	
Application specification	EN 50290-2-27	
Halogen content according to IEC 60754-1	zero	
Corrosivity of fire gasses according to IEC 60754-2		
- Conductivity	≤ 10	µS/mm
- pH value	≥ 4.3	
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	mm
Maximum pulling tension	328	N

Electrical characteristics

Parameter	Specificati	Unit
Nominal resistance conductor	78.7	Ω/km
Nominal resistance shield	26.0	Ω/km
Nominal capacitance conductor to conductor	42.0	pF/m
Nominal capacitance conductor to shield + other cond.	75.5	pF/m
Nominal impedance @ 1 MHz	120	Ω
Nominal velocity of propagation	66	%
Nominal delay	5.2	ns/m
Nominal attenuation @ 1 MHz	1.97	dB/100m
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	2.1	A

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2011/65/EU, 02 Jan. 2013); this is valid for all material produced after the RoHS compliant date for this product.