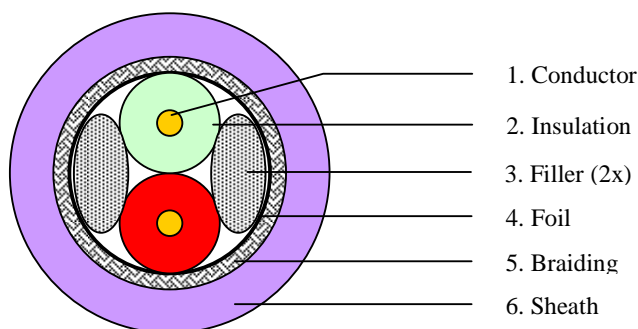
	TECHNICAL DATA SHEET	code	70101NH
	Profibus cable 2 x AWG 22 FRNC	version	3
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APPLICATION


Instrumentation and computer cable for Data Transmission applications such as Profibus DP
Indoor use.

UL AWM 20851

CONSTRUCTION



1. Conductor	AWG22 solid bare Cu
2. Insulation	
Material	Foamed Polyethylene
Diameter over insulation	2.45 ± 0.10 mm
Colour of insulation	Red and green
3. Filler (2x)	
Material	polypropylene
4. Foil	
Material	Aluminium / Polyester
5. Braiding	
Material	Tinned Cu
Coverage	65%
6. Sheath	
Material	FRNC/LSNH
Colour	Violet or Grey
Nominal diameter over sheath	7.80 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

Maximum voltage rating	30V rms
Nominal resistance conductor	52 Ω /km
Nominal capacitance conductor to conductor @ 1kHz	30 pF/m
Impedance (3 – 20 MHz)	150 \pm 15 Ω
Maximum attenuation @ 0.2 MHz	0.9 dB/100m
Maximum attenuation @ 4 MHz	2.2 dB/100m
Maximum attenuation @ 16 MHz	4.5 dB/100m

*Nominal values are for information only.

Mechanical and physical:

Flame resistance	IEC 60332-1
Flame resistance UL AWM	Horizontal flametest
Halogen content according to IEC 60754-1	zero
Corrosivity of fire gasses according to IEC 60754-2	
Conductivity	\leq 100 μ S/cm
pH value	\geq 4.3
Smoke density	IEC 61034-1
Oil resistance	IEC 60811:404
Temperature range installing	-15 to +80 $^{\circ}$ C
Temperature range operating (moving installation)	-15 to +80 $^{\circ}$ C
Temperature range storage	-40 to +80 $^{\circ}$ C
Minimum bending/setting radius	10 x / 5x cable diameter
UL AWM Style	20851



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.