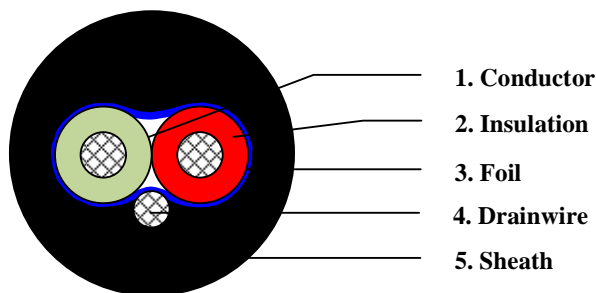
	<b>TECHNICAL DATA SHEET</b>		code	<b>70200NH</b>
	PROFIBUS PA CABLE		version	<b>2</b>
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## APPLICATION

Profibus PA: Instrumentation and computer cable for Data Transmission applications.  
UL AWM 20851

## CONSTRUCTION



- |                              |                                     |
|------------------------------|-------------------------------------|
| <b>1. Conductor</b>          | 18 AWG (7x26AWG) tinned copper wire |
| <b>2. Insulation</b>         |                                     |
| Material                     | Polyolefin                          |
| Diameter over insulation     | 2.55 ± 0.05 mm                      |
| Colour of insulation         | Red and Green                       |
| <b>3. Foil</b>               |                                     |
| Material                     | Aluminium / Polyester               |
| <b>4. Drainwire</b>          | 20 AWG (7x28AWG) tinned copper wire |
| <b>5. Sheath</b>             |                                     |
| Material                     | FRNC/LSNH                           |
| Nominal diameter over jacket | 7.5 mm                              |
| Colour                       | Black or Blue.                      |

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## REQUIREMENTS AND TEST METHODS

### Electrical acc IEC 61158-2

Max. operating voltage	300	V rms
Max. operating voltage AWM	30	V rms
Max. capacitance between conductors of a pair @ 1kHz	80	nF/km
Max. capacitance cond. to other cond. and shield @ 1 kHz	155	nF/km
Maximum conductor DC-resistance @ 20°C	20.5	Ω/km
Maximum shield DC-resistance @ 20°C	26.0	Ω/km
Nom. velocity of propagation	66	%
Impedance @ 31.25 kHz	100 +/-	20 Ω
Max. attenuation @ 10 kHz	0.2	dB/100m
@ 39 kHz	0.3	dB/100m
@ 100 kHz	0.6	dB/100m
@ 500 kHz	2.8	dB/100m
@ 1 MHz	3.7	dB/100m

### Mechanical and physical:

Flame resistance	IEC 60332-1
Flame resistance UL AWM	Horizontal flametest
Halogenfree	IEC 60754-1 and IEC60754-2
Temperature range installing	- 5 to +70 °C
Temperature range operating and storage	-20 to +70 °C
Minimum bending radius	100 mm
Maximum pulling tension	50 N



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.