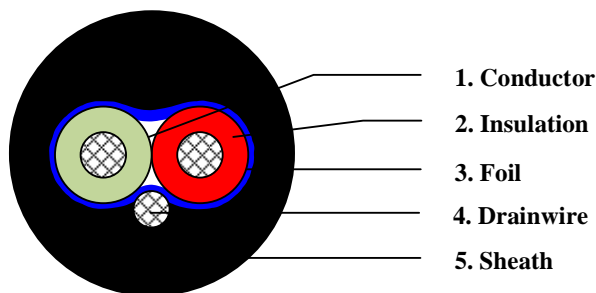
	TECHNICAL DATA SHEET		code	70200E
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APPLICATION

Profibus PA: Instrumentation and computer cable for Data Transmission applications.
UL AWM 2464

CONSTRUCTION



- | | |
|------------------------------|-------------------------------------|
| 1. Conductor | 18 AWG (7x26AWG) tinned copper wire |
| 2. Insulation | |
| Material | Polyolefin |
| Diameter over insulation | 2.55 ± 0.05 mm |
| Colour of insulation | Red and Green |
| 3. Foil | |
| Material | Aluminium / Polyester |
| 4. Drainwire | 20 AWG (7x28AWG) tinned copper wire |
| 5. Sheath | |
| Material | PVC |
| 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. 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 60332-1-2 /UL cable flametest
Temperature range installing	- 5 to +80 °C
Temperature range operating and storage	-30 to +80 °C
Minimum bending radius	100 mm
Maximum pulling tension	50 N
AWM Style	2464



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.