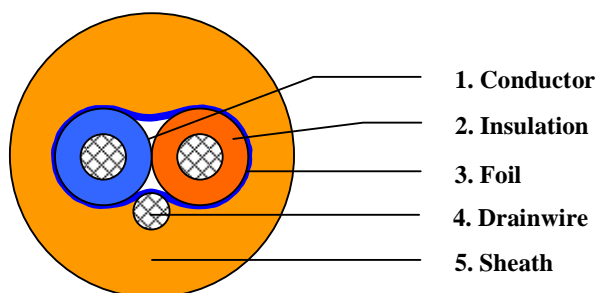
	TECHNICAL DATA SHEET	code	70100E
	PROFIBUS PA CABLE	version	2
		date	2016-03-09
	70100E	page	1/2


APPLICATION

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	Blue and Orange
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	Orange or Blue.

	TECHNICAL DATA SHEET	code	70100E
	PROFIBUS PA CABLE	version	2
		date	2016-03-09
	70100E	page	2/2

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 / 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.