

	TECHNICAL DATA SHEET	code	70110E
	PROFIBUS PA CABLE	version	1
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REQUIREMENTS AND TEST METHODS

Electrical:

Max. operating voltage	300	V rms
Max. capacitance between conductors of a pair @ 1kHz	80	nF/km
Max. capacitance unbalance cond. to shield @ 1 kHz	4	nF/km
Maximum conductor DC-resistance @ 20°C	20.5	Ω/km
Maximum shield DC-resistance @ 20°C	9.0	Ω/km
Nom. velocity of propagation	77	%
Impedance @ 31.25 kHz	100 +/-	20 Ω
Nominal attenuation @ 39 kHz	0.3	dB/100m

Mechanical and physical: (according to IEC61158-2)

Flame resistance	IEC 60332-1
Oil resistance	ICEA S82-552
UV resistance	UL 1581 sec 1200
Temperature range installing	-5 to +80 °C
Temperature range operating and storage	-30 to +75°C
Minimum bending radius	100 mm
Maximum pulling tension	80 N
UL	AWM 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.