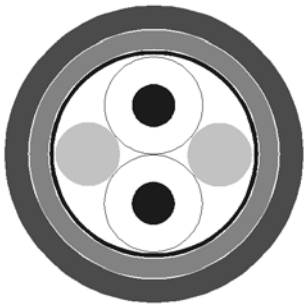
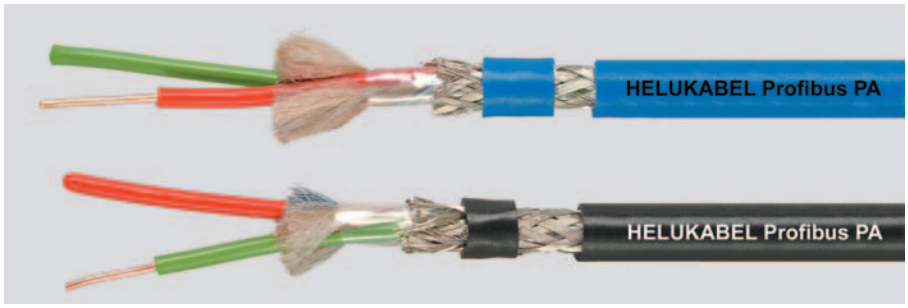
RoHS

Profibus PA





Type Cable structure	Hazardous areas 1x2x1.0/2.55 mm	Non-hazardous areas 1x2x1.0/2.55 mm
Inner conductor diameter:	Copper, bare (AWG 18/1)	Copper, bare (AWG 18/1)
Core insulation:	PE	PE
Core colours:	rd, gn	rd, gn
Stranding element:	2 cores + 2 fillers stranded together	2 cores + 2 fillers stranded together
Shielding 1:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 2:	Polyester foil, aluminium-lined	Polyester foil, aluminium-lined
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material:	PVC	PVC
Cable external diameter:	approx. 7,6 mm ± 0,2 mm	approx. 7,6 mm ± 0,2 mm
Outer sheath colour:	Blue	Black
Electrical data		
Characteristic impedance:	100 Ohm ± 20 %	100 Ohm ± 20 %
Conductor resistance:	22,0 Ohm/km max.	22,0 Ohm/km max.
Insulation resistance:	1,00 GOhm x km min.	1,00 GOhm x km min.
Mutual capacitance:	55,0 nF/km nom.	55,0 nF/km nom.
Nominal voltage:	300 V	300 V
Test voltage:	2,5 kV	2,5 kV
Attenuation:	39 kHz 3,0 dB/km	39 kHz 3,0 dB/km
Technical data		
Weight:	approx. 76,0 kg/km	approx. 76,0 kg/km
Min. bending radius for laying:	140,0 mm	140,0 mm
Operating temperature range min.:	-20°C	-20°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	0,95 MJ/m	0,95 MJ/m
Copper weight:	44,0 kg/km	44,0 kg/km
Norms		
Applicable standards:	Profibus acc. to DIN 19245 T3 and EN50170	Profibus acc. to DIN 19245 T3 and EN50170
UL Style:	UL Style 2571	UL Style 2571

Application

This Profibus PA line is used in the area of process automation, among other things in the chemical industry. This cable is an economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The above mentioned types are suitable for ex and not-ex installation and are equipped with a special PVC-sheath.

Part no.		
	82835, Profibus PA	**82836,** Profibus PA

Dimensions and specifications may be changed without prior notice.

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