PUR Sheathed, Halogen Free PROFIBUS

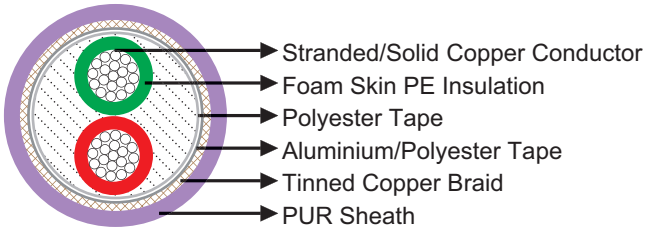
» Application

These cables are used to interconnect Profibus BUS components for the information exchange between different automation systems as well as for communication with the connected decentralized field units.

» Standards

DIN 19245 T3
EN 50170

» Construction



Conductor: Bare copper 1×22AWG (0.64mm) or 19×22AWG (0.8mm).
Insulation: Foam skin PE.
Cable Element: Two cores with filler.
Screen 1: Polyester tape over stranded bundle.
Screen 2: Aluminium/Polyester tape.
Overall Screen: Tinned copper braid.
Sheath: PUR.

» Technical Data

	1×2×0.64mm	1×2×0.8mm
Operating Temperatures	-40℃~+70℃	
Minimum Bending Radius	120mm	
Impedance	150Ohm +/-10%	
Maximum Conductor Resistance @20°C	55Ohm/km	49Ohm/km
Nominal Mutual Capacitance	35nF/km	29nF/km

Communication Cable

Minimum Insulation Resistance	1GOhm×km	1GOhm×km
Attenuation @9.6kHz	<2.5dB/km	<3dB/km
Attenuation @38.4kHz	<4dB/km	<5dB/km
Attenuation @4kHz	<22dB/km	<25dB/km
Attenuation @16kHz	<42dB/km	<51dB/km
Flame Retardant	IEC 60332-1	
Halogen Free	IEC 60754	
Oil Resistant	Yes	
UV Resistant	Yes	

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm	mm	kg/km
1×2×0.64	8.0	71
1×2×0.8	8.0	66