

PB and PBS

Halogen-free bus cable
60V +85°C

Application:

For fixed installation

Important data:

Rated voltage **60V**
Maximum conductor temperature **+85°C**
Flame-retardant **IEC 60332-1 & IEC 60332-3A**
Halogen-free **IEC 60754 serie**
Smoke emission **IEC 61034 serie**

Electrical data:

Loop resistance of pair / +20°C **108ohm/km**
Conductor resistance / +20°C **53ohm/km**
Pair capacitance at 1kHz **<30nF/km**
Insulation resistance / +20°C **>2000Mohm*km**
Characteristic impedance 3..20MHz **150±15ohm**
Attenuation 4MHz **22dB/km**
Attenuation 16MHz **45dB/km**

Recommended minimum bending radius:

During installation **9xD**
Dixed final installation **6xD**
D is overall diameter of cable

Minimum installation temperature

-15°C

Identification:

Lot number, cable type cable size voltage, temperature, production month, manufacturer's name and meter marking printed on the sheath

Core identification:

red and green

Approvals:

Only on request

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Flame-retardant halogen-free cable for field bus

CONSTRUCTION:

Twisted pair cable

STANDARDS:

EN 50170 part 8-2
Cable Type A

1. Conductor

-stranded copper conductor

2. Insulation

-polyethylene / foamed polyethylene plastic

3. Pair twisting

4. Bedding

-separator tape

5. Screen

-plastic coated copper tape and copper braid, coverage >75%

6. Sheath

-purple, polyolefine plastic

7. Extra sheath (only PBS)

-only for shipboard cable, IEC 60092-359 SHF1
-grey polyolefine plastic

	Num. of conductors & Nominal outer cross-section n x mm ²	diameter mm	Tolerance mm	Approximate weight kg/kr
PB	1x2x0,34	8,5	±0,5	85
PBS	1x2x0,34	10,5	±0,5	150

PBS = Shipboard cable.



Cable for PROFIBUS DP.

The cable has been tested according to the IEC 61158 specification and testing guidelines set by PROFIBUS Center Nederland.

Cable is approved as type A cable.

Fits in the connector of Siemens (6ES7-972-0BA12 OXA0 or similar) after stripping the outer sheath.

Type A bus cable. Maximum length of each bus					
Data transfer rate in kbit/s	9.6 - 93.75	187.5	500	1500	3000 - 12000
Max. segment length in m	1200	1000	400	200	100

