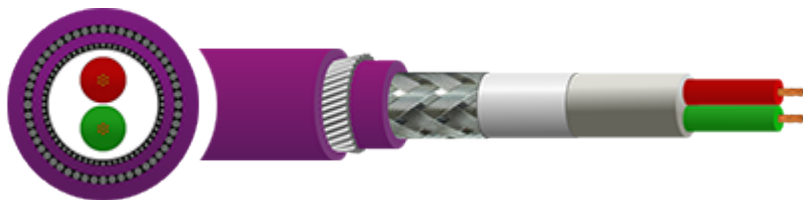


PROFIBUS Communication Cable BS EN/IEC 61158



PROFIBUS is standardised to IEC 61158 giving more interoperability of components from different manufactures. PROFIBUS cables are especially made for process automation (PA). The modular peripheral construction (DP: decentralised periphery) of the bus system simplifies installation and maintenance. Also available with a galvanised copper wire braid for mechanical strength and resistance to interference.

Should not be installed at temperatures below 0°C

For more information please consult a member of the Cleveland Cable Sales Team

Key Features



Temperature Limits

Ambient Temperature, Fixed: -40°C to +80°C

Construction

- **Conductor:** Stranded Copper Conductor
- **Insulation:** Polyethylene (PE)
- **Sheath:** LSZH / PVC - refer to Products
- **Armour:** Galvanised Copper Wire Braid, SWA only on PROFIBUSDPSWA

Standards

- BS EN/IEC 61158, BS EN 50170, BS EN/IEC 60332-1, BS EN/IEC 61034-2, BS EN/IEC 60754-1

Core Colours

Core IDs

Pair 1: Red Green

Inner Sheath: Violet

Outer Sheath: Violet

PROFIBUS Communication Cable BS EN/IEC 61158 - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	TYPE	Overall Diameter(mm)	Weight(Kg/Km)
PROFIBUSDPLSF	7.9	2	AWG22	LSF	7.9	85
PROFIBUSDP	7.9	2	AWG22	NONE	7.9	85
PROFIBUSDPSWA	11.5	2	AWG22	NONE	11.5	160

PROFIBUS COMMUNICATION CABLE – ELECTRICAL CHARACTERISTICS

CONDUCTOR DCR	SHIELD DCR	CONDUCTOR TO CONDUCTOR CAPACITANCE	CONDUCTOR TO SHIELD CAPACITANCE	INDUCTANCE	MAX RESISTANCE OF CONDUCTOR AT 20°C
Ω/KM	Ω/KM	F/M	pF/M	μH/M	Ω/KM
39.4	30.50	180.4p	311.60	0.56	30.51

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

For more information contact: 01642 241 133

