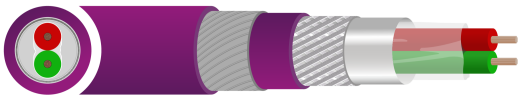
PROFIBUS Communication Cable BS EN/IEC 61158



Description

PROFIBUS is standardised to IEC 61158 giving more interoperability of components from different manufacturers. 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.

Key Features

Voltage Rating
300/300 Volts

Minimum Bending Radius
Fixed: 8 x overall diameter
Flexing: 12 x overall diameter

Temperature Limits
Fixed: -40°C to +80°C

Core Colours

Pair 1: Red | Green

Inner Sheath: Violet

Outer Sheath: Violet

Standards

- BS EN/IEC 60754-1
- BS EN 50170
- IEC 61034-1
- BS EN/IEC 60332-1

Construction

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

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

PROFIBUS Communication Cable BS EN/IEC 61158 - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
PROFIBUSDP	0.65	2	7/0.245	7.9	85
PROFIBUSDPSWA	0.65	2	7/0.245	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.