

PROFIBUS CABLE



APPLICATION RANGE :

- For stationery installation for Bus Systems 150 Ohm impedance.
- Dry and damp indoors.

PRODUCT FEATURES :

- This Bus Cable can be used for PROFIBUS DP as well as for PROFIBUS- FMP and FIP
- Based on the bit rates listed, in accordance with PNO specifications the following maximum cable lengths for a bus segment apply. (cable type A, PROFIBUS-DP)

93.75 Kbit/s	=	1200 meters
187.5 Kbit/s	=	1000 meters
500 Kbit/s	=	400 meters
1.5 Mbit/s	=	200 meters
12 Mbit/s	=	100 meters
- Flame retardant in accordance to IEC60332-1-2

Cable Construction of 1 Pair x 22 AWG

UN-ARMoured TYPE

CONSTRUCTION	DESCRIPTION
Conductor	: Solid bare copper wire, 22 AWG (0.65mm)
Insulation	: Polyolefin
Colour code	: Red & Green, twisted pair, Fillers in gaps
Screen	: Aluminium- polyester tape screen
Shield	: Tinned copper wire braid
Outer Sheath	: PVC, violet colour
Cable OD	: 8 mm

ARMoured TYPE

CONSTRUCTION	DESCRIPTION
Conductor	: Solid bare copper wire, 22 AWG(0.65mm)
Insulation	: Polyolefin
Colour code	: Red & Green, twisted pair, Fillers in gaps
Screen	: Aluminium- polyester tape screen
Shield	: Tinned copper wire braid
Inner Sheath	: PVC, violet colour
Armour	: Steel wire armour
Outer Sheath	: PVC, violet colour
Cable OD	: 12.2 mm

ELECTRICAL CHARACTERISTICS :

Loop Resistance	: Max. 110 Ohm/km
Mutual Capacitance (800 Hz)	: Max. 30 nF/km
Characteristic Impedance	: 150 +/-15 Ohm
Inductance (31.25 KHz)	: 1000 μH/km
Attenuation	
0.2 MHz	: Max 0.9 dB/100 meters
4 MHz	: Max 2.2 dB/100 meters
16 MHz	: Max 4.5 dB/100 meters
Peak Operating Voltage	: 250 V



UDEY PYROCABLES PVT. LTD.

CORPORATE & REGISTERED OFFICE

113, SHREEPAL COMPLEX, SUREN ROAD, ANDHERI (E), MUMBAI 400 093

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All specifications are subject to change without prior notice



FOUNDATION FIELDBUS CABLE



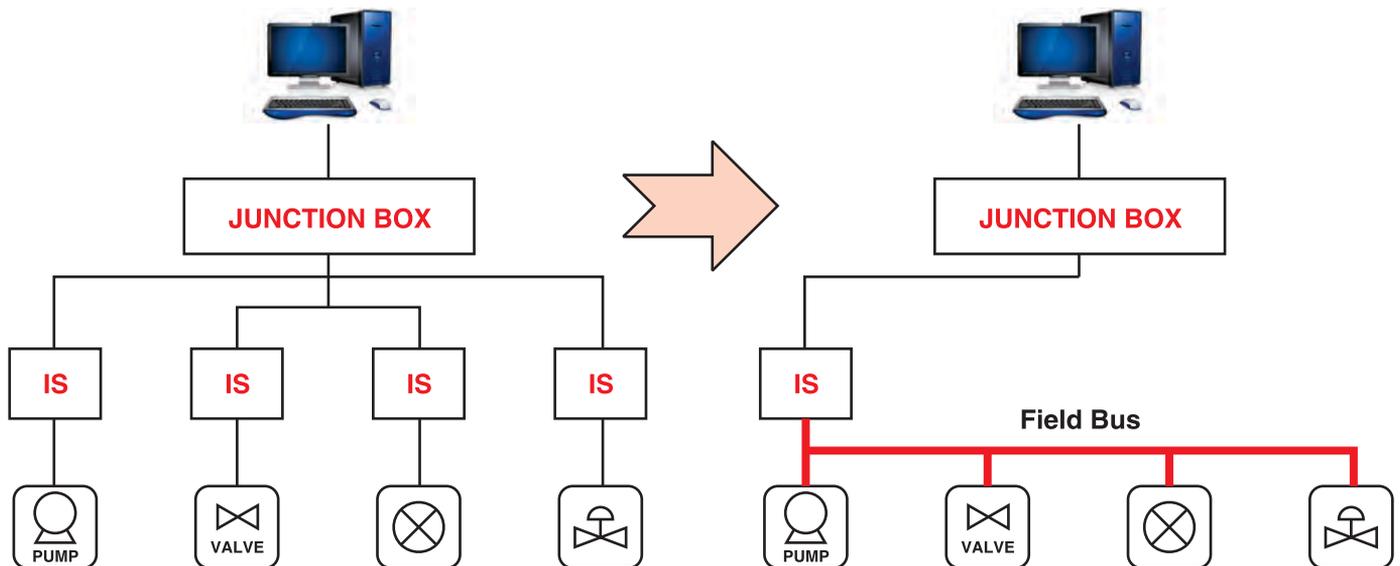
INTRODUCTION

We have pleasure in introducing ourselves as one of the leading and trusted manufacturer and exporter of speciality cables since last 40 years having our corporate office in Mumbai & Plant at Lonavla (Dist: Pune).

APPLICATION RANGE

The Foundation Fieldbus cables are all-digital, serial, two-way communication cable designed for Process Automation Industries such as Oil & Gas, Petrochemical, Power, Metals & Mining, Pharmaceutical, Food & Beverage.

WHY FOUNDATION FIELDBUS



COST SAVING

- Less Quantity of Cable
- Less Labour Cost
- Less I/O
- Less Interfacing
- Less Installation Line
- Minimum Overall Saving 25 to 30%

PRODUCT FEATURES

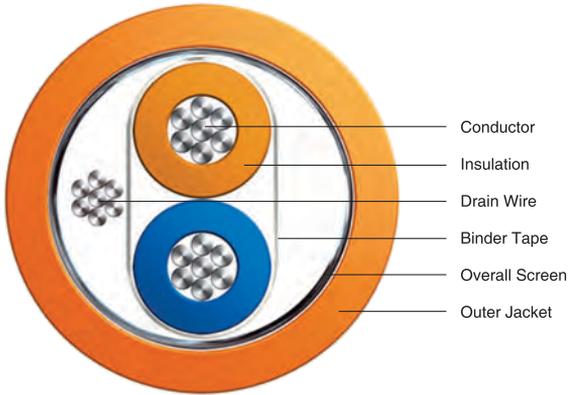
- Compliant with Fieldbus Spec IEC 61158-2 (ISA/SP-50)
- Communication rate 31.25kB/s
- Single cable facilitates communication To and From several field devices
- High transmission speeds
- Maximum network length upto 1900 meters



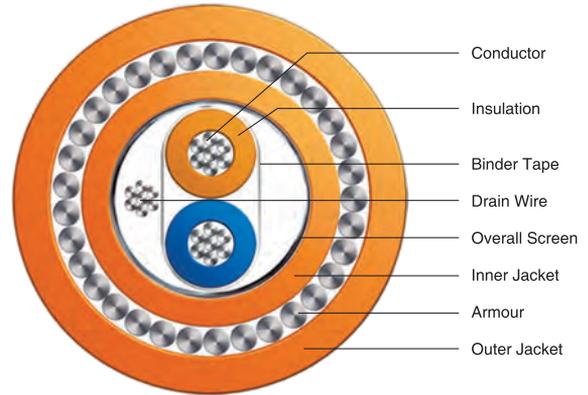
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CABLE CONSTRUCTION OF 1 PAIR x 18 AWG as per IEC 61158-2 Type A

UN-ARMoured TYPE



ARMoured TYPE



CONSTRUCTION	DESCRIPTION
Conductor	: Stranded tinned copper wire
Insulation	: Polyolefin
Colour code	: Orange / Blue twisted pair, Plastic tape overlapped
Drain Wire	: Stranded tinned copper wire
Screen	: Overall Aluminium / Polyester tape
Outer Jacket	: Flame Retardant PVC

CONSTRUCTION	DESCRIPTION
Conductor	: Stranded tinned copper wire
Insulation	: Polyolefin
Colour code	: Orange / Blue twisted pair, Plastic tape overlapped
Drain Wire	: Stranded tinned copper wire
Screen	: Overall Aluminium / Polyester tape
Inner Jacket	: Flame Retardant PVC
Armour	: Galvanised Steel Wire Armour
Outer Jacket	: Flame Retardant PVC

- Note :
- Tinned copper wire braided screen also available on request.
 - Multipair cables can also be provided as per requirement.

ELECTRICAL PROPERTIES as per IEC 61158-2 Type A

Impedance at 31.25 kHz	: $100\Omega \pm 20\Omega$
Capacitance unbalance	: Max. 4 nF/km
Mutual Capacitance at 1 kHz	: Nom. 60 nF/km
Attenuation at 39 kHz	: Max. 3.0 dB/km
Propagation delay change	: Max. 1.7 μ s/km
Inductance	: Nom. 0.7 mH/km

Single Pair / Multipair	1 Pair x 18AWG	1 Pair x 16 AWG	2 Pair x 18 AWG	4 Pair x 18 AWG	6 Pair x 18 AWG	12 Pair x 18 AWG
Max. Conductor Resistance (Loop)	43.6 Ω /km	28.5 Ω /km	43.6 Ω /km	43.6 Ω /km	43.6 Ω /km	43.6 Ω /km



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