
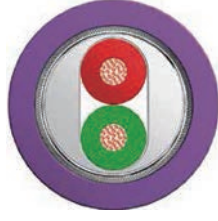



## Profibus – Cable

			
Type	85-0001	85-0003	85-0005
Condition	Fixed installation, 22AWG	For flexible installation, 22AWG	Drag chain installation, 24AWG
Rated Voltage	300V		
Ambient Temperature	-30...+75°C		-40...+80°C
Max. diameter	8.0mm±0.4mm	8.0mm±0.4mm	8.5mm±0.4mm
Conductor	Single-strand bare copper (0.64mm)	Multi-strand bare copper (11*0.14mm)	Multi-strand bare copper (19*0.14mm)
Impedence	17.5Ω / 1k.feet	16.5Ω / 1k.feet	16.5Ω / 1k.feet
Wire	Double twist wires, inner jacket	Double twist wires, inner jacket	Double twist wires, filler
Shielding	Aluminum foil + tinned-copper braid (density 35%)	Aluminum foil + tinned-copper braid (density 65%)	Aluminum foil + tinned-copper braid (density 85%)
Outer Jacket	PVC, Violet	PVC, Violet	PUR, Blue
Flame Resistance	IEC 60332-3-24	IEC 60332-1-2	IEC 60332-1-2
Bending Resistance	IEC 60811-1-4	IEC 60811-1-4	IEC 60811-1-4
Bending Diameter	10*Cable diameter	10*Cable diameter	7.5*Cable diameter
Bending life	—	—	5 million times

\* MOQ: 100m

# Profibus - Single-ended Cordsets

## Features:

- PVC(TPU) jacket for chemical and oil resistance
- Low-resistance contact design
- 360° shielded



## Technical Data

Material		Cable	
Contact Carrier	Nylon	Outside Diameter	8.00±0.4mm
Molded Head	PUR	Jacket	PVC (TPU)
O-ring	Nitrile rubber	Conductor Insulation	PE
Coupling Nut	Nickel-plated brass	Shielding	PETP/AV foil 100%
Using Grade			Tinned copper braid 65% (90%)
Protection Class	IP67	Conductor	Twisted pair 22 (24) AWG
Ambient Temperature	-30-+80°C	Cable Flex Information	
		PVC	15 x cable diameter
		TPU	10 x cable diameter

## Type List

Pin Assignment	Max. current	Max. voltage	Cable type	Cable jacket	Wire size	Length	Female/Straight		Female/Angled	
							Type	Fig.	Type	Fig.
<p>5 Pole 1 - Not used 4 - Red (Bus A) 2 - Green (Bus B) 5 - Shield 3 - Not used</p>	4.0A	300VAC/DC	Twisted pair	PVC	22	1.0m	B05S00PP6M010	Fig.1	B05S01PP6M010	Fig.2
				TPU	26		B05S00PP8M010		B05S01PP8M010	
<p>5 Pole 1 - Not used 4 - Red (Bus B) 2 - Green (Bus A) 5 - Shield 3 - Not used</p>	4.0A	300VAC/DC	Twisted pair	PVC	22	1.0m	B05S06PP6M010	Fig.1	B05S07PP6M010	Fig.2
				TPU	26		B05S06PP8M010		B05S07PP8M010	

## Order Code

**B05S01PP6 Mxxx**

### Connection type

Straight Female.....	00
Angled Female.....	01
Straight Male.....	06
Angled Male.....	07

PP6: 85-0003 cable  
PP8: 85-0005 cable

### Cable Length

1 m.....	010
2 m.....	020
3 m.....	030
5 m.....	040

# Profibus - Double-ended Cordsets

## Features:

- PVC(TPU) jacket for chemical and oil resistance
- Low-resistance contact design
- 360° shielded



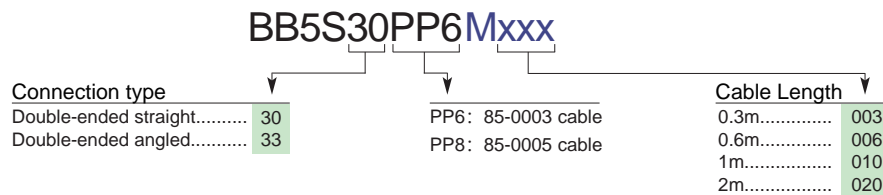
## Technical Data

Material		Cable	
Contact Carrier	Nylon	Outside Diameter	8.00±0.2mm
Molded Head	PUR	Jacket	PVC (TPU)
O-ring	Nitrile rubber	Conductor Insulation	PE
Coupling Nut	Nickel-plated brass	Shielding	PETP/AV foil 100%
Using Grade			Tinned copper braid 65% (90%)
Protection Class	IP67	Conductor	Twisted pair 22 (24) AWG
Ambient Temperature	-30 - +80°C	Cable Flex Information	
		PVC	15 x cable diameter
		TPU	10 x cable diameter

## Type List

Pin Assignment	Max. current	Max. voltage	Cable type	Cable jacket	Wire size	Length	Straight		Angled	
							Type	Fig.	Type	Fig.
								4.0A	250VAC/DC	Twisted pair
			TPU	26	BB5S30PP8M010	BB5S33PP8M010				

## Order Code



# Profibus - Fieldbus Tee

## Features:

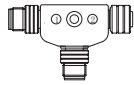
- For quick disconnect / recovery data bus
- Use with IP67 distributed module



## Technical Data

Material	
Contact Carrier	Nylon
Molded Head	PVC
O-ring	Rubber
Coupling Nut	Nickel Plated Copper
Using Grade	
Protection Class	IP67
Electrical Data	
Rated Voltage	30V AC/36V DC
Rated Current	4.0A

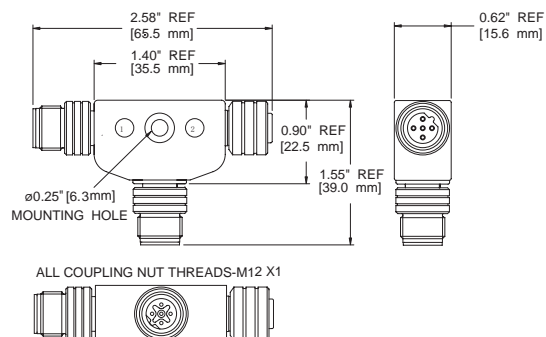
## Type List



Pin Assignment	Wiring Diagram	Type	Fig.
<p>5 Pole</p> <p>2 Bus In Male Face View</p>		PDTS01	Fig. 1
<p>5 Pole</p> <p>3 Bus Out Female FaceView</p>			
<p>5 Pole</p> <p>2 Drop Bus Male Face View</p>			

## Order Code

Fig. 1



## Profibus - Fieldbus Connectors

### Features:

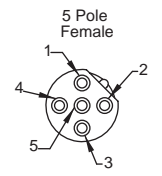
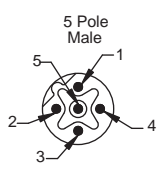
- Used for M12 Profibus Connector
- Designed with shield 5Pin
- Screw connecting



### Technical Data

Material	
Contact Carrier	PUR
Molded Head	Nickel-plated copper
Contact	Silver-plated
Coupling Nut	Nickel-plated brass
O-ring	Nitrile rubber
Conductor	4.10-8.10mm
Using Grade	
Protection Class	IP67

### Type List

Pin Assignment	Max. current	Max. voltage	Cable diameter range	Female/Straight		Male/Straight	
				Type	Fig.	Type	Fig.
 <p>5 Pole Female</p> <p>1 - Not used 4 - Red 2 - Green (Bus B) 3 - Not used 5 - Shield</p>	4.0A	250V AC/DC	4.10-8.10mm	BA5S00-32	Fig.1		
 <p>5 Pole Male</p> <p>1 - Not used 4 - Red 2 - Green (Bus B) 3 - Not used 5 - Shield</p>					BA5S06-32	Fig.2	

### Dimensions

Fig. 1

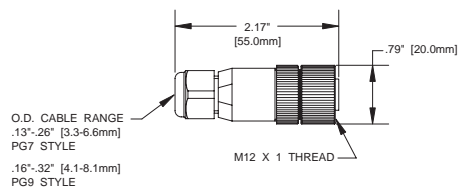
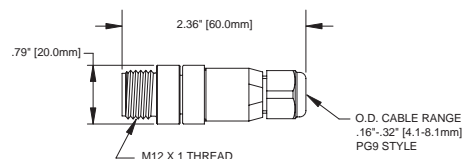


Fig. 2



# Profibus -Termination Resistors

## Features:

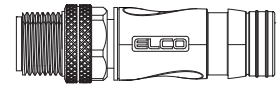
- M12 B-coded male
- Used with IP67 Distributed I/O module
- Profibus fieldbus termination



## Technical Data

Material	
Contact Carrier	Nylon
Molded Head	PVC
O-Ring	Rubber
Coupling Nut	Nickel Plated Copper
Using Grade	
Protection Class	IP67
Electrical Data	
Rated Voltage	250V AC/DC
Rated Current	4.0A

## Type List

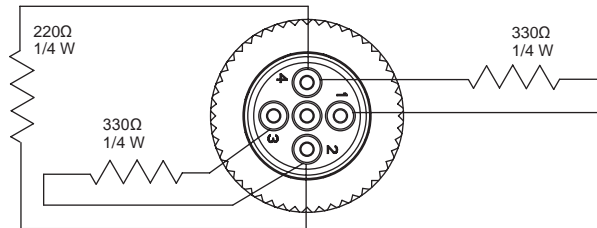
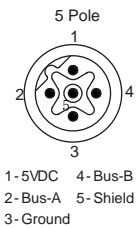


Pin Assignment

Wiring Diagram

Type

Fig.



B05S06

Fig.1

## Dimensions

Fig.1

