



# Profibus-DP

Decentralized Peripherals

Over-Molded Cordsets | Receptacles | Field Wireables | Accessories

UL File #:  
**E149111**



PROFIBUS (Process Field Bus) is a standard for field bus communication in automation technology. The PROFIBUS protocol has application specific profiles to meet differing factory floor requirements. There are two variations of PROFIBUS in use today; the most commonly used PROFIBUS DP, and the lesser used, application specific, PROFIBUS PA (See Section-O).

## Profibus-DP

Profibus-DP is optimized for factory automation to operate sensors and actuators via a centralized controller in production applications. Profibus-DP uses an industrial physical layer based on RS-485. It is a two-wire differential system extremely resistant to electrical interference. Communication rates range from 9.6 kbps - 12 Mbps. The main cable is a 22awg shielded twisted pair covered by an outer braided shield.



Profibus-DP Series

N



# Profibus-DP Series Cordsets

## Profibus-DP Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

# PBEC - 3 - - -

### Connector Configuration

- FP = Female Plug
- MP = Male Plug
- MFP = Male / Female Extension

### Armor (See N-5 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A03 = PVC Covered SS w/ Cable Inside
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

### R/A or Straight

- Blank = Straight
- R = Right Angle\*\*

\*\* If single ended cable, right angle connector to flying leads  
If double ended cable, right angle on both connectors

### Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

*Other lengths are available by request.*