Over-Molded Cordsets | Receptacles | Accessories | Junction Blocks
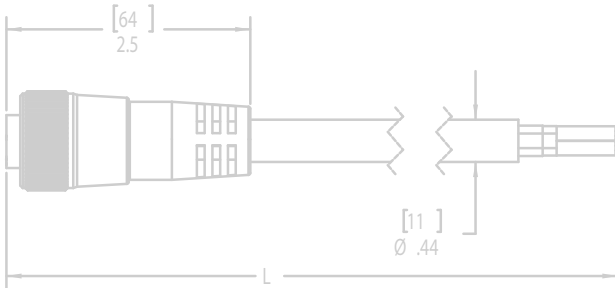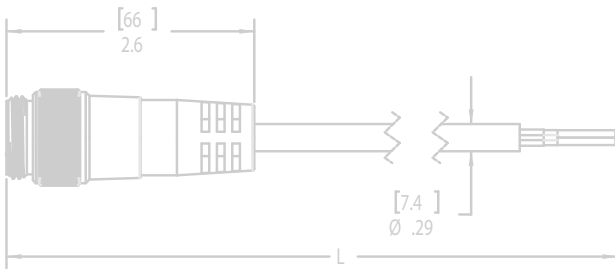
UL File #:

E149111

DeviceNet is a popular ring and drop system transmitting power and signal. The idea is that the information flows around the entire machine via the trunk line and all of the sensors (proxes, photos, etc.) and actuators (valves, cylinders, etc.) come off of the trunk line via drops.

Trunk Line

The DeviceNet bus system is like an expressway going around a city. The expressway is the trunk line. The trunk line is a MIN-5MFP cable that has a special DeviceNet (Thick) cable.

Drops

The exits are T connectors (a connector in the shape of a T that has 2 female connectors and one male). The exits lead to side streets that are the drops. The drops are either a 5 Pin MIN to an MDC, or, it is a 5 pin MIN to 5 pin MIN DeviceNet (Thin) cable.

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DeviceNet

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

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Connector Type

MIN	=	MIN with Discrete Wires (7/8"-16UN)
MINDT	=	MIN with Trunk Cable (7/8"-16UN)
MINDD	=	MIN with Drop Cable (7/8"-16UN)
MDC	=	MDC with Discrete Wires (M12 x 1)

Connector Configuration

| MR | = | Male Receptacle |
| FR | = | Female Receptacle |

Shell Material

| Blank | = | Aluminum or Nickel plated brass |
| SS | = | Stainless Steel |

Mounting Style

Blank	=	Front Mount 1/2"-14 NPT (Only MIN)
2	=	Front Mount 1/2"-14 NPT (Only MDC)
4	=	Front Mount 1/4"-18 NPT (Only MDC)
BM	=	Back Mount
BM-PCB	=	PCB Back Mount

Metric and PG threads are available by request.

R/A or Straight

| Blank | = | Straight |
| R | = | Right Angle |

Termination Type

| Blank | = | Pre-Wired |
| PCB | = | PCB Mount |

Receptacle Type

| Blank | = | Trunk/Drop Cable |
| DN | = | Discrete Wire Receptacle |

Length in Feet/Meter

| Blank | = | 1' (Only for MDC) |

Wire AWG

Blank	=	16 AWG for MIN
	=	15 & 18 AWG for MINDT
	=	22 & 24 AWG for MINDD
18	=	18 AWG
22	=	22 AWG

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DeviceNet