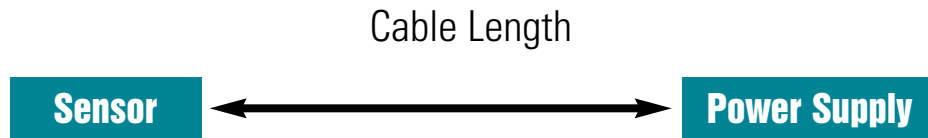


Cable Length Driving Capabilities



| Cable Style | Max. Freq. | Supply Current | | | |
|------------------------------|------------|----------------|------------|------------|------------|
| | | 2mA | 4mA | 12mA | 20mA |
| 042 Cable 20pF/ ft | 1000 Hz | 1590 ft | > 2000 ft* | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 310 ft | 950 ft | > 2000 ft* | > 2000 ft* |
| | 10000 Hz | 150 ft | 470 ft | 1750 ft | > 2000 ft* |
| 051 Cable 29pF/ ft | 1000 Hz | 1090 ft | > 2000 ft* | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 210 ft | 650 ft | > 2000 ft* | > 2000 ft* |
| | 10000 Hz | 100 ft | 320 ft | 1200 ft | > 2000 ft* |
| 052 Cable 36pF/ ft | 1000 Hz | 880 ft | > 2000 ft* | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 170 ft | 530 ft | 1940 ft | > 2000 ft* |
| | 10000 Hz | 80 ft | 260 ft | 970 ft | 1670 ft |
| 053 Cable 51pF/ ft | 1000 Hz | 620 ft | 1870 ft | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 120 ft | 370 ft | 1370 ft | > 2000 ft* |
| | 10000 Hz | 60 ft | 180 ft | 680 ft | 1180 ft |
| 055 Cable 27pF/ ft | 1000 Hz | 1170 ft | > 2000 ft* | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 230 ft | 700 ft | > 2000 ft* | > 2000 ft* |
| | 10000 Hz | 110 ft | 350 ft | 1290 ft | > 2000 ft* |
| 059 Cable 36pF/ ft | 1000 Hz | 880 ft | > 2000 ft* | > 2000 ft* | > 2000 ft* |
| | 5000 Hz | 170 ft | 530 ft | 1940 ft | > 2000 ft* |
| | 10000 Hz | 80 ft | 260 ft | 970 ft | 1670 ft |

* Contact factory for lengths > 2000 ft.



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24-hour SensorLineSM 716-684-0003 FAX 716-684-3823 E-mail imi@pcb.com Website www.imi-sensors.com

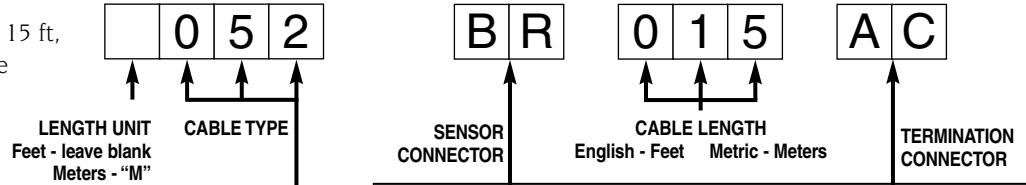
Cable Ordering Guide

HOW TO ORDER CUSTOM CABLES:

1. First determine whether the cable shall be ordered in English or Metric unit lengths.
2. Choose the desired cable.
3. Find the connector that mates to the sensor.
4. Determine the length of cable required.
5. Choose the cable termination connector.
6. Fill the squares with appropriate letter or number designation:

Example:

Model 052BR015AC defines a 15 ft, general purpose, polyurethane jacketed, shielded, twisted pair cable with a two-pin socket MIL type MS3106 composite sensor connector and a BNC plug termination connector.



| STANDARD CABLE TYPES | | | |
|--|--------------------|-----------------|--|
| SHIELDED, TWISTED PAIR | DIAMETER | MAX. TEMP. | |
| CE 042 Lightweight, polyurethane jacket | 0.160 in (4.1 mm) | 250 °F (121 °C) | |
| 044 Coiled, polyurethane jacket | 0.170 in (4.6 mm) | 176 °F (80 °C) | |
| 045 High temperature, PFA Teflon jacket | 0.204 in (5.2 mm) | 500 °F (260 °C) | |
| 047 Steel armored, polyurethane | 0.410 in (10.4 mm) | 250 °F (121 °C) | |
| 048 Steel armored, high temp. FEP Teflon | 0.268 in (6.8 mm) | 392 °F (200 °C) | |
| 050 Coiled, lightweight, TPE jacket | 0.210 in (5.3 mm) | 176 °F (80 °C) | |
| CE 052 General purpose, polyurethane jacket | 0.250 in (6.4 mm) | 250 °F (121 °C) | |
| CE 053 High temperature, FEP Teflon jacket | 0.157 in (4 mm) | 392 °F (200 °C) | |
| 055 High temperature, FEP Teflon jacket | 0.190 in (4.8 mm) | 392 °F (200 °C) | |
| CE 058 Coiled, heavy duty, polyurethane | 0.250 in (6.4 mm) | 250 °F (121 °C) | |
| SHIELDED, MULTI-CONDUCTOR | | | |
| 043 Steel armored, 4-cond., polyurethane | 0.410 in (10.4 mm) | 250 °F (121 °C) | |
| 046 16 pair (32-conductor), PVC jacket | 0.70 in (17.8 mm) | 221 °F (105 °C) | |
| 049 12 pair (24-conductor), PVC jacket | 0.60 in (15.2 mm) | 220 °F (105 °C) | |
| 056 3-conductor, FEP Teflon jacket | 0.190 in (4.8 mm) | 392 °F (200 °C) | |
| 057 4-conductor, FEP Teflon jacket | 0.190 in (4.8 mm) | 392 °F (200 °C) | |
| CE 059 4-conductor, polyurethane jacket | 0.250 in (6.4 mm) | 250 °F (121 °C) | |
| 062 3-conductor, polyurethane jacket | 0.160 in (4.1 mm) | 250 °F (121 °C) | |
| COAXIAL | | | |
| CE 051 Heavy duty, RG-58/U, PVC jacket | 0.193 in (4.9 mm) | 176°F (80°C) | |
| 054 High temperature, FEP Teflon jacket | 0.140 in (3.6 mm) | 392 °F (200 °C) | |
| 060 General purpose, FEP Teflon jacket | 0.075 in (1.9 mm) | 400 °F (204 °C) | |
| NOTES | | | |
| CE indicates that cable maintains CE conformance | | | |

| STANDARD CONNECTOR TYPES | | |
|----------------------------|--|-------------------|
| CODE | CONNECTOR | COMPATIBLE CABLES |
| TWO-SOCKET PLUGS | | |
| AE | MIL-type MS3106 with environmental boot | |
| AM | MIL-type MS3106 | |
| AP | MIL-type MS3106 with strain relief | |
| BC | MIL-type MS3106 for high temperatures | |
| BP | MIL-type MS3106 for high temperatures with strain relief | |
| BQ | MIL-type MS3108 right angle, composite | |
| BR | MIL-type MS3106, composite | |
| BS | MIL-type MS3108, right angle | |
| BT | MIL-type MS3108, right angle for high temperatures | |
| CJ | MIL-type MS3116 bayonet style | |
| DN | MIL-type MS3106, composite, with stainless steel clamp ring | |
| EC | MIL-type MS3106 with environmental boot, lock ring and adaptor | |
| ER | MIL-type for high temperatures | |
| FV | MIL-type with environmentally sealed boot | |
| OTHER MULTI-PIN OR SOCKET | | |
| AN | 4-socket, MIL type MS3116 | |
| BV | 3-socket, MIL type MS3106 | |
| BY | 28-pin bayonet, for switch box MO option | |
| CD | MIL-type MS3101A | |
| CE | MIL-type with strain relief | |
| CS | 3-socket MIL type MS3116 bayonet style | |
| CV | 25-pin D style for CSI data collector interface | |
| CW | 25-pin D style for SKF data collector interface | |
| DP | 7-pin LEMO style for Entek data collector interface | |
| DR | 4-socket MIL type MS3116 bayonet style | |
| DS | 3-pin MIL type MS3106 with environmental boot | |
| EA | 4-pin Bendix | |
| EF | 3-socket, MIL type MS3106, nylon | |
| EG | Multi-pin bayonet | |
| FY | 3-socket, MIL type with environmental boot | |
| COAXIAL | | |
| AB | BNC jack | |
| AC | BNC plug | |
| EJ | 10-32 plug (spring loaded) | |
| AG | 5-44 plug | |
| MISCELLANEOUS TERMINATIONS | | |
| AD | Pigtail (leads stripped and tinned) | |
| BZ | Blunt cut | |
| AS | #10 spade lugs | |