

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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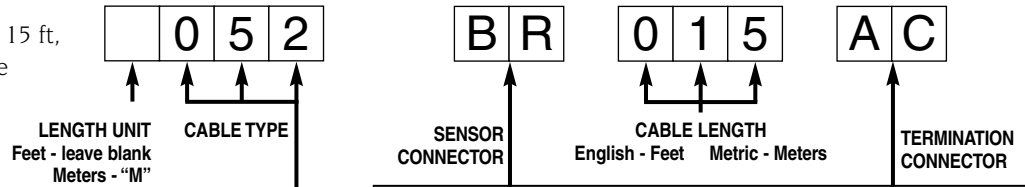
Cable Ordering Guide

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	