

## Micro Bulk Cable



Micro bulk cable is primarily used as drop cable, but it can also be used at the trunk line depending on network power requirements. Bulk cable with field-attachable connectors allows for maximum flexibility as cables can be made on the job to exact lengths.

- Meets and exceeds NMEA 2000® specifications for the highest reliability
- Trunk or drop cable for use with Micro connectors
- Used with field-attachable connectors to build exact length cables at the job site

## Micro/Mid Field-Attachable Connectors (Straight – Male/Female)



Field-attachable connectors allow you to make field connections to bulk cable (see diagram). The color-coded screw terminals match the individual wire colors found within the bulk cable for error-free field installation.

- Color-coded screw terminals make for error-free field installation
- Rugged housing material designed to withstand harsh marine environments

## Micro/Mid Field-Attachable Connectors (90° Male/Female)

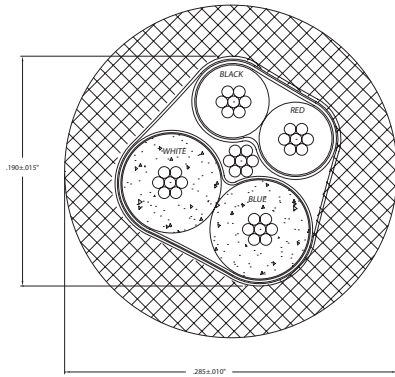


Like the straight Micro/Mid Field-attachable Connectors, the 90° field attachable connectors allow you to make field connections to bulk cable. The 90° connectors are particularly well suited for tight spaces like the back of displays where there is limited space for a straight connector.

- Useful in tight spaces or where sharp corners need to be made
- Waterproof rated to IP67

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## Micro Bulk Cable



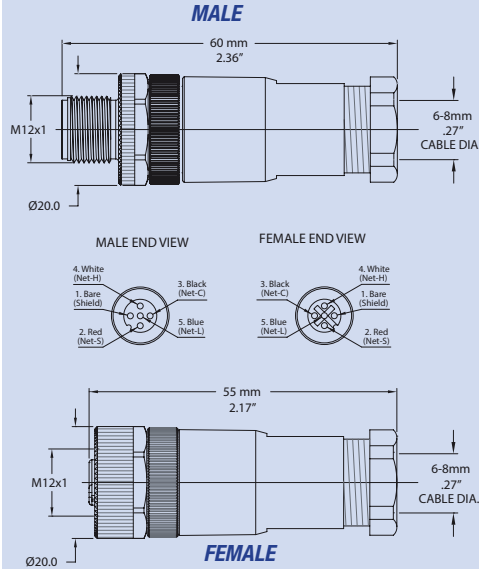
### Specifications

<b>OVERALL</b>	
Outer Jacket Mat/Color:	PVC/Gray
Insulation Material:	PE (data wires), SRPVC (power wires)
Construction:	4x22 (0.65mm) AWG, 22 (0.65mm) AWG Drain
Shielding (3 Levels):	FOIL (overall), FOIL (power pair), FOIL (data pair)
<b>POWER PAIR</b>	
Wire:	2X22 (0.65mm) AWG
Resistance/Conductor:	18.1 Ohms/1000ft
Max Amperage:	6 Amps
Color Code:	Red/Black
<b>DATA PAIR</b>	
Wire:	2X22 (0.65mm) (AWG)
Characteristic Impedance:	120 Ohms ± 10%
Capacitance:	11.33pF/ft ± 10%
Color Code:	White/Blue
<b>APPROVALS</b>	
UL:	PLTC 75°C Sunlight Resistant E90625, AWM 80°C 300V
CSA:	CMX-OUTDOOR-CMG LL54185 75°C, AWM III A/B 80C 300V FT4
NMEA:	NMEA 2000® Approved
IEC:	IEC-61162-3

### Products

PART NUMBER	DESCRIPTION
CG1	Micro Bulk Cable (per meter – gray) (no spool)
CG1-100	Micro Bulk Cable (Two Pieces per 100m spool – gray)
CG1-100C	Micro Bulk Cable (Single Piece per 100m spool – gray)

## Micro/Mid Field-Attachable Connectors (Straight)



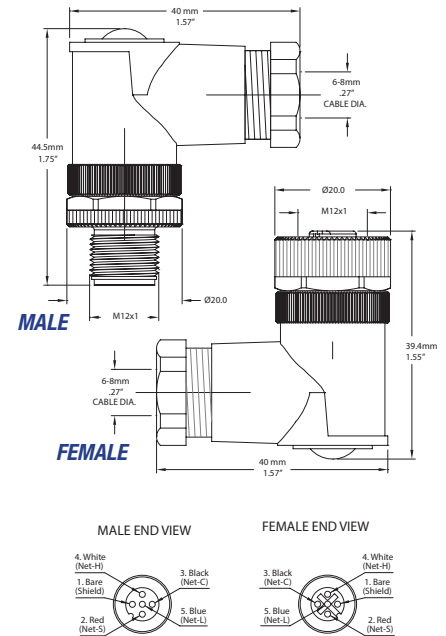
### Specifications

<b>MECHANICAL</b>	
Housing Mat/Plating:	Nylon/Black
Contact Mat/Plating:	Brass/Gold
Coupling Nut Mat/Plating:	Brass/Nickel
Maximum Wire Size:	18 (1.02mm) AWG
Cable Grip Range:	6-8 mm
<b>ELECTRICAL</b>	
Rated Current:	4.0 Amps
Rated Voltage:	30 V AC/ 36 V DC
<b>ENVIRONMENTAL</b>	
Protection Class:	IEC IP67
Temperature Range:	-40°C TO 85°C (-40°F to 185°F)
<b>APPROVALS</b>	
NMEA:	NMEA 2000® Approved
IEC:	IEC-61162-3

### Products

PART NUMBER	DESCRIPTION
FA-CF-ST	Micro/Mid Field Attachable Connector (Straight Female)
FA-CM-ST	Micro/Mid Field Attachable Connector (Straight Male)

## Micro/Mid Field-Attachable Connectors (90°)



### Specifications

<b>MECHANICAL</b>	
Housing Mat/Plating:	Nylon/Black
Contact Mat/Plating:	Brass/Optaloy
Coupling Nut Mat/Plating:	Brass/Nickel
Maximum Wire Size:	18 (1.02mm) AWG
Cable Grip Range:	6-8 mm
<b>ELECTRICAL</b>	
Rated Current:	4.0 Amps
Rated Voltage:	30 V AC/ 36 V DC
<b>ENVIRONMENTAL</b>	
Protection Class:	IEC IP67
Temperature Range:	-40°C TO 85°C (-40°F to 185°F)
<b>APPROVALS</b>	
NMEA:	NMEA 2000® Approved
IEC:	IEC-61162-3

### Products

PART NUMBER	DESCRIPTION
FA-CF-90	Micro/Mid Field Attachable Connector (90° Female)
FA-CM-90	Micro/Mid Field Attachable Connector (90° Male)