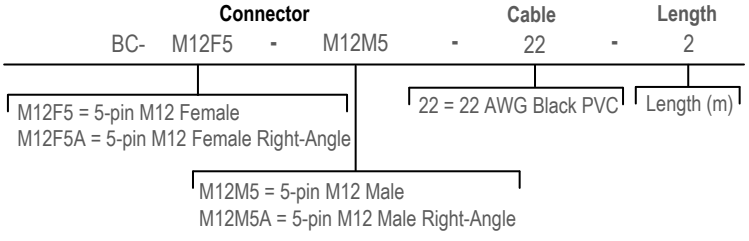
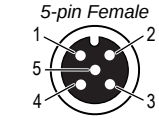
# 5-pin A-Code Double-Ended M12 Female to M12 Male Cordsets

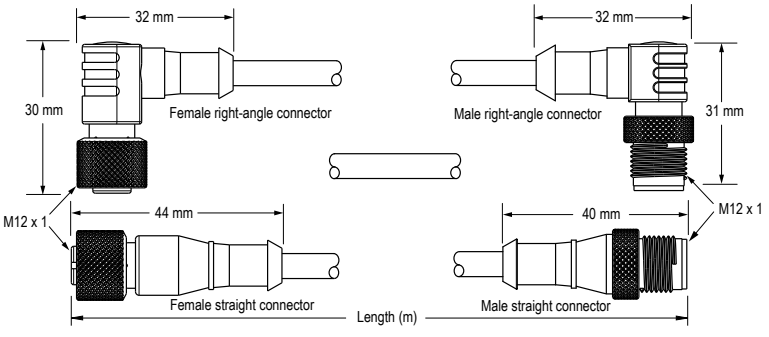
## BC-M12F5x-M12M5x-22-x Cordsets

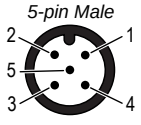



- M12 female to male (double-ended), five conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight and right-angle connector options
- ITC/PLTC cable




1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray




1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

| Connectors | |
|---|---|
| Type | 5-pin M12 female to male quick disconnect |
| Coding | A |
| Contact holder | Black Nylon |
| Connector body | Black TPU |
| Coupling nut | Nickel-plated brass |

| Mechanical and Electrical Properties | |
|---|---|
| Current rating | 4 A |
| Voltage rating | 30 V |
| Operating temperature | –40 °C to +105 °C (–40 °F to +221 °F) |
| Storage temperature | –40 °C to +105 °C (–40 °F to +221 °F) |
| Relative humidity | 90% at +50 °C maximum relative humidity (non-condensing) |
| Environmental ratings | IP66, IP67, IP68 |
| Vibration | Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 500 Hz; 0.35 mm amplitude, 6-hour sweep cycle, 10 sweep cycles) |
| Mechanical shock | Meets IEC 60068-2-27 requirements (Shock: 50G, half-sine wave, 11 ms duration) |

Original Instructions
29-Oct-26

© Banner Engineering Corp. All rights reserved.
www.bannerengineering.com

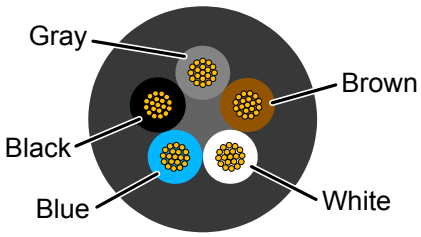
236183
p/n: 236183 Rev. G

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

# Cable (p/n 821080)

| | |
|---|---|
| Conductors | 5 |
| Gauge | 22 AWG |
| Outer diameter | 5.69 mm |
| Insulation | PVC |
| Jacket material | Black PVC |
| Weight | 0.1020 lbs/meter |
| Bend radius | Static bend radius: ≥ 4× the outside diameter |
| | Dynamic bend radius: ≥ 15× the outside diameter |
| Bulk cable p/n | 821080 |

| | |
|---|---|
| Approvals | UL 2250 ITC (Instrumentation Tray Cable): 105 °C, 150V, 5A or less |
| | UL 13 PLTC (Power-Limited Tray Cable): 105 °C, 300V |
| | UL 758: AWM 2517 300V |
| | Sunlight Resistant |
| | -40 °C Cold Bend |
| | Oil Res I and II |
| | CSA: CMX-OUTDOOR-CMG 300V |
| | CSA AWM: I/II A/B 300V |
| | Flame Rating: UL 1685: CSA FT4 |
| | MSHA |




# Banner Engineering Corp Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

**THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), AND WHETHER ARISING UNDER COURSE OF PERFORMANCE, COURSE OF DEALING OR TRADE USAGE.**

This Warranty is exclusive and limited to repair or, at the discretion of Banner Engineering Corp., replacement. **IN NO EVENT SHALL BANNER ENGINEERING CORP. BE LIABLE TO BUYER OR ANY OTHER PERSON OR ENTITY FOR ANY EXTRA COSTS, EXPENSES, LOSSES, LOSS OF PROFITS, OR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM ANY PRODUCT DEFECT OR FROM THE USE OR INABILITY TO USE THE PRODUCT, WHETHER ARISING IN CONTRACT OR WARRANTY, STATUTE, TORT, STRICT LIABILITY, NEGLIGENCE, OR OTHERWISE.**

Banner Engineering Corp. reserves the right to change, modify or improve the design of the product without assuming any obligations or liabilities relating to any product previously manufactured by Banner Engineering Corp. Any misuse, abuse, or improper application or installation of this product or use of the product for personal protection applications when the product is identified as not intended for such purposes will void the product warranty. Any modifications to this product without prior express approval by Banner Engineering Corp will void the product warranties. All specifications published in this document are subject to change; Banner reserves the right to modify product specifications or update documentation at any time. Specifications and product information in English supersede that which is provided in any other language. For the most recent version of any documentation, refer to: www.bannerengineering.com.

For patent information, see www.bannerengineering.com/patents.


© Banner Engineering Corp. All rights reserved.
www.bannerengineering.com