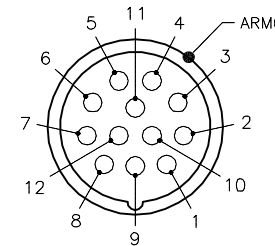
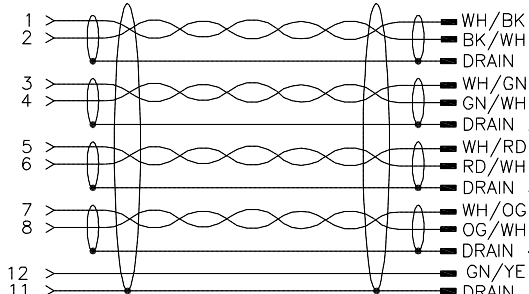
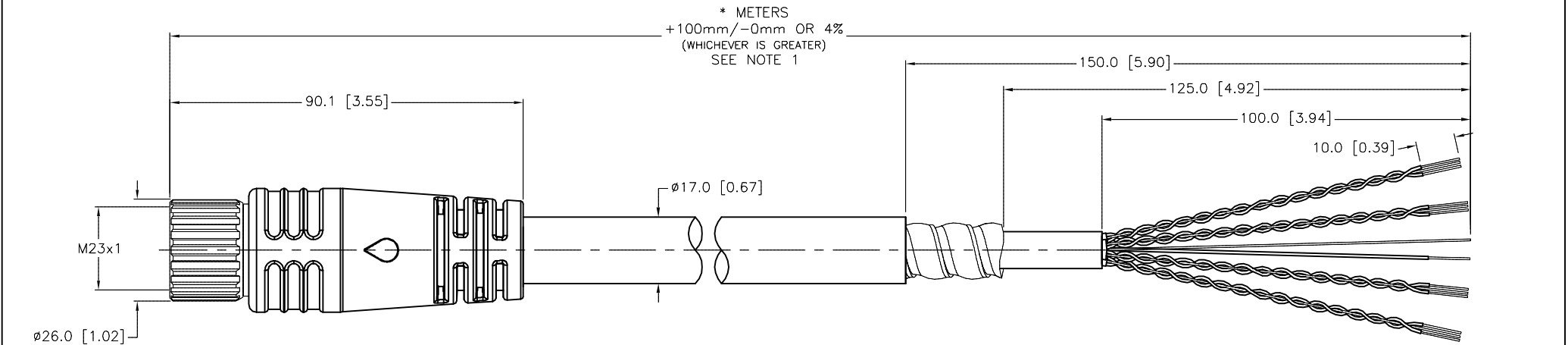


| FEMALE END VIEW                                                                                                                                                                                                                                                                                                                                                                                                     | WIRING DIAGRAM                                                                    | SPECIFICATIONS                |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------|
|  <p>1 = WHITE/BLACK<br/>2 = BLACK/WHITE<br/>3 = WHITE/GREEN<br/>4 = GREEN/WHITE<br/>5 = WHITE/RED<br/>6 = RED/WHITE<br/>7 = WHITE/ORANGE<br/>8 = ORANGE/WHITE<br/>9 = N/C<br/>10 = N/C<br/>11 = DRAIN<br/>12 = GREEN/YELLOW</p> <p> M23 connector</p> |  | CONTACT CARRIER MATERIAL      | NYLON or PBT                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | MOLDED HEAD MATERIAL/COLOR    | TPU/BLACK                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | CONTACT MATERIAL/PLATING      | BRASS/GOLD                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | COUPLING NUT MATERIAL/PLATING | BRASS/NICKEL                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | RATED CURRENT [A]             | 4.0 A                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | RATED VOLTAGE [V]             | 250 V                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | OUTER JACKET MATERIAL/COLOR   | PVC/BLACK                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | INNER JACKET MATERIAL/COLOR   | PVC/NATURAL                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | CONDUCTOR INSULATION MATERIAL | PVC                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | NUMBER OF CONDUCTORS [AWG]    | 8x22 AWG, 18 AWG GROUND                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | DRAIN/SHIELD                  | 5x22 AWG DRAINS/ALUMINUM-POLYESTER FOIL         |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | ARMOR                         | ALUMINUM ARMOR                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | CONDUCTOR ARRANGEMENT         | 4 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | TEMPERATURE RANGE             | -40°C to +105°C (-40°F to +221°F)               |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | PROTECTION CLASS              | IEC IP67                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   | CABLE RATINGS                 | UL: ITC/PLTC, 105C<br>CSA: CMG/ACIC, 90C, 300V  |



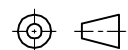
| CABLE LENGTH                 | TOLERANCE*                                                                  |
|------------------------------|-----------------------------------------------------------------------------|
| ALL LENGTHS                  | + 4% (OR 50mm) OF LENGTH<br>- 0% (OR 0mm) OF LENGTH<br>WHICHEVER IS GREATER |
| STRIP LENGTH                 | TOLERANCE*                                                                  |
| 0-7mm                        | ±0.5mm                                                                      |
| 8-29mm                       | ±1.0mm                                                                      |
| 30-49mm                      | ±2.0mm                                                                      |
| 50-69mm                      | ±3.0mm                                                                      |
| 70-100mm                     | ±4.0mm                                                                      |
| OVER 100mm                   | ±5.0mm                                                                      |
| * UNLESS OTHERWISE SPECIFIED |                                                                             |

NOTES:

1. "\*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.

2. CABLE ARMOR IS CONNECTED TO THE COUPLING NUT(S).

SOURCE DRAWING - FOR REFERENCE ONLY

|                      |  |                                                                                       |  |                                                                                                                            |  |                                                                                                                      |  |
|----------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|
| RELATED DOCUMENTS    |  | 3RD ANGLE PROJECTION                                                                  |  | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. |  | 3000 CAMPUS DRIVE<br>MINNEAPOLIS, MN 55441<br>1-800-544-7769<br>(763) 553-7300<br>(763) 553-0708 fax<br>www.turck.us |  |
| 1.<br>2.<br>3.<br>4. |  |  |  | DRFT RDS                                                                                                                   |  | DATE 10/02/07                                                                                                        |  |
| MATERIAL             |  | SEE SPECIFICATIONS                                                                    |  | APVD                                                                                                                       |  | SCALE 1=1.5                                                                                                          |  |
| FINISH               |  | SEE SPECIFICATIONS                                                                    |  | UNIT OF MEASUREMENT                                                                                                        |  | DESCRIPTION                                                                                                          |  |
|                      |  |                                                                                       |  | MILLIMETER [ INCH ]                                                                                                        |  | P-CKM 12A-417-*                                                                                                      |  |
|                      |  |                                                                                       |  | CONTACT TURCK FOR MORE INFORMATION                                                                                         |  | IDENTIFICATION NO.                                                                                                   |  |
|                      |  |                                                                                       |  | DO NOT SCALE THIS DRAWING                                                                                                  |  | REV                                                                                                                  |  |
|                      |  |                                                                                       |  |                                                                                                                            |  | G                                                                                                                    |  |
|                      |  |                                                                                       |  |                                                                                                                            |  | FILE: 777020113                                                                                                      |  |
|                      |  |                                                                                       |  |                                                                                                                            |  | SHEET 1 OF 1                                                                                                         |  |