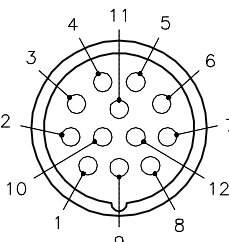
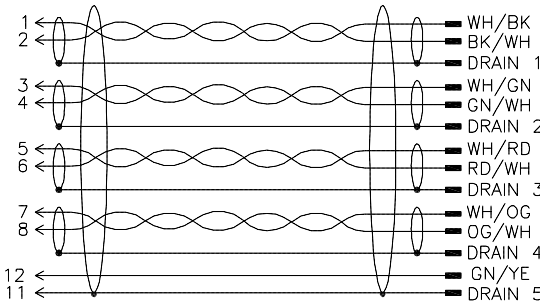
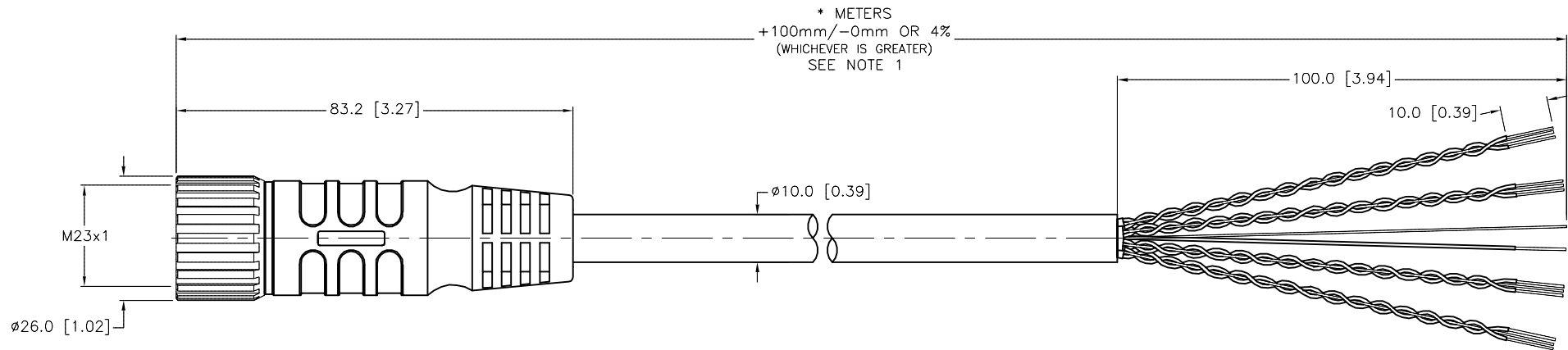


| MALE END VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              | WIRING DIAGRAM                                                                               |  | SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------|----------------------------|-----------|--------------------------|------------|-------------------------------|--------------|-------------------|-------|-------------------|-------|-----------------------------|----------|-------------------------------|-----|----------------------------|---------------------------|--------------|-----------------------------------------|--------------------|-----------------------------------|------------------|----------------|-----------------------|-------------------------------------------------|---------------|--------------------------------------------------------------|
| <div><div><div>1 = WHITE/BLACK</div><div>2 = BLACK/WHITE</div><div>3 = WHITE/GREEN</div><div>4 = GREEN/WHITE</div><div>5 = WHITE/RED</div><div>6 = RED/WHITE</div><div>7 = WHITE/ORANGE</div><div>8 = ORANGE/WHITE</div><div>9 = N/C</div><div>10 = N/C</div><div>11 = DRAIN</div><div>12 = GREEN/YELLOW</div></div><div> M23 connector</div></div> |                                                              | <div></div> |  | <table><tr><td>CONTACT CARRIER MATERIAL</td><td>NYLON or PBT</td></tr><tr><td>MOLDED HEAD MATERIAL/COLOR</td><td>TPU/BLACK</td></tr><tr><td>CONTACT MATERIAL/PLATING</td><td>BRASS/GOLD</td></tr><tr><td>COUPLING NUT MATERIAL/PLATING</td><td>BRASS/NICKEL</td></tr><tr><td>RATED CURRENT [A]</td><td>3.0 A</td></tr><tr><td>RATED VOLTAGE [V]</td><td>250 V</td></tr><tr><td>OUTER JACKET MATERIAL/COLOR</td><td>PVC/PLUM</td></tr><tr><td>CONDUCTOR INSULATION MATERIAL</td><td>PVC</td></tr><tr><td>NUMBER OF CONDUCTORS [AWG]</td><td>8x22 AWG, 1x18 AWG GROUND</td></tr><tr><td>DRAIN/SHIELD</td><td>5x22 AWG DRAINS/ALUMINUM-POLYESTER FOIL</td></tr><tr><td>TEMPERATURE RATING</td><td>-40°C to +105°C (-40°F to +221°F)</td></tr><tr><td>PROTECTION CLASS</td><td>MEETS IEC IP67</td></tr><tr><td>CONDUCTOR ARRANGEMENT</td><td>4 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN</td></tr><tr><td>CABLE RATINGS</td><td>UL: ITC/PLTC/AWM, 105°C, 300 V<br/>CSA: CMG/AWM, 105°C, 300 V</td></tr></table> |  | 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] | 3.0 A | RATED VOLTAGE [V] | 250 V | OUTER JACKET MATERIAL/COLOR | PVC/PLUM | CONDUCTOR INSULATION MATERIAL | PVC | NUMBER OF CONDUCTORS [AWG] | 8x22 AWG, 1x18 AWG GROUND | DRAIN/SHIELD | 5x22 AWG DRAINS/ALUMINUM-POLYESTER FOIL | TEMPERATURE RATING | -40°C to +105°C (-40°F to +221°F) | PROTECTION CLASS | MEETS IEC IP67 | CONDUCTOR ARRANGEMENT | 4 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN | CABLE RATINGS | UL: ITC/PLTC/AWM, 105°C, 300 V<br>CSA: CMG/AWM, 105°C, 300 V |
| 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]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.0 A                                                        |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| RATED VOLTAGE [V]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 250 V                                                        |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| OUTER JACKET MATERIAL/COLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PVC/PLUM                                                     |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| CONDUCTOR INSULATION MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PVC                                                          |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| NUMBER OF CONDUCTORS [AWG]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8x22 AWG, 1x18 AWG GROUND                                    |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| DRAIN/SHIELD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5x22 AWG DRAINS/ALUMINUM-POLYESTER FOIL                      |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| TEMPERATURE RATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C to +105°C (-40°F to +221°F)                            |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| PROTECTION CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MEETS IEC IP67                                               |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| CONDUCTOR ARRANGEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN              |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |
| CABLE RATINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | UL: ITC/PLTC/AWM, 105°C, 300 V<br>CSA: CMG/AWM, 105°C, 300 V |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |              |                            |           |                          |            |                               |              |                   |       |                   |       |                             |          |                               |     |                            |                           |              |                                         |                    |                                   |                  |                |                       |                                                 |               |                                                              |



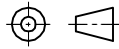
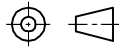
| CABLE LENGTH | TOLERANCE *                                                                 |
|--------------|-----------------------------------------------------------------------------|
| ALL LENGTHS  | + 4% (OR 50mm) OF LENGTH<br>- 0% (OR 0mm) OF LENGTH<br>WHICHEVER IS GREATER |
| STRIP LENGTH | 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

SOURCE DRAWING - FOR REFERENCE ONLY

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

|     |                                        |     |          |         |
|-----|----------------------------------------|-----|----------|---------|
| E   | DRAWING PROCESSED AS PART OF ECO 39948 | KMY | 09/18/12 | 39948   |
| REV | DESCRIPTION                            | BY  | DATE     | ECO NO. |

|                                                           |                                                                          |                                                                                       |                                                                                                                                              |                                                                                       |       |                                                                                                                      |                    |                                   |
|-----------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|
| RELATED DOCUMENTS<br><br>1.<br><br>2.<br><br>3.<br><br>4. | 3RD ANGLE<br>PROJECTION                                                  |  | THIS DRAWING IS<br>CONFIDENTIAL AND THE<br>PROPERTY OF TURCK<br>INC. USE OF THIS<br>DOCUMENT WITHOUT<br>WRITTEN PERMISSION IS<br>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 |                    |                                   |
|                                                           |                                                                          |                                                                                       |                                                                                                                                              |                                                                                       |       |                                                                                                                      |                    |                                   |
| MATERIAL<br><br>SEE SPECIFICATIONS                        | ALL DIMENSIONS<br>DISPLAYED ON THIS<br>DRAWING ARE FOR<br>REFERENCE ONLY |  | DRFT                                                                                                                                         | RDS                                                                                   | DATE  | 05/19/03                                                                                                             |                    | DESCRIPTION<br><br>P-CSM 12-960-* |
| APVD                                                      |                                                                          |                                                                                       | GC                                                                                                                                           | SCALE                                                                                 | 1=1.3 |                                                                                                                      |                    |                                   |
| FINISH<br><br>SEE SPECIFICATIONS                          |                                                                          |                                                                                       | CONTACT TURCK<br>FOR MORE<br>INFORMATION                                                                                                     | UNIT OF MEASUREMENT<br><br>MILLIMETER [ INCH ]                                        |       |                                                                                                                      | IDENTIFICATION NO. |                                   |
| DO NOT SCALE THIS DRAWING                                 |                                                                          |                                                                                       |                                                                                                                                              | FILE: 777001416                                                                       |       | SHEET 1 OF 1                                                                                                         |                    |                                   |