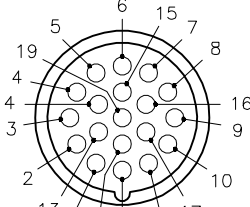
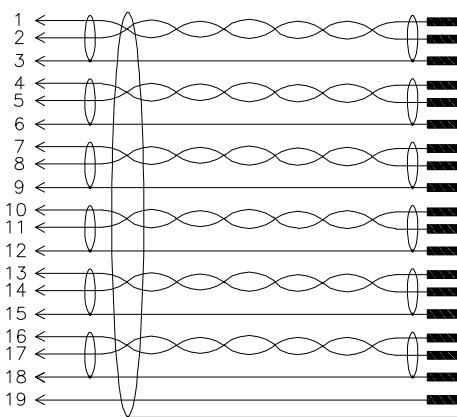
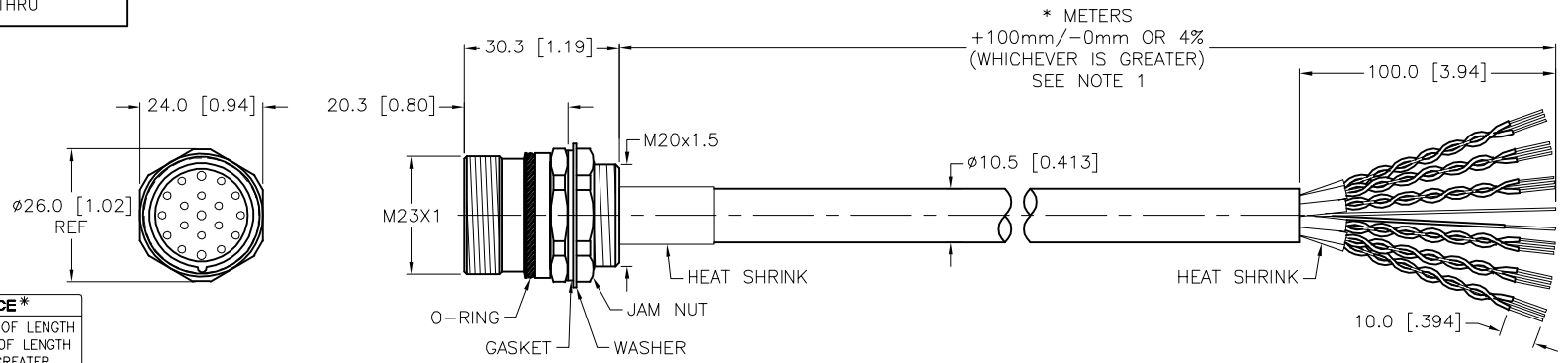
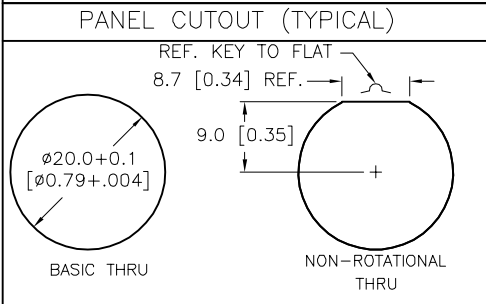


| MALE END VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       | WIRING DIAGRAM                                                                               | SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|--------------------------|------------|-------------------------|----------------------------|------------------------|---------------------|-------------------|-------|-------------------|-------|-----------------------------|----------|-------------------------------|-----|----------------------------|---------------------|--------------|---------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------|-------------------|---------------------------------|------------------|----------------|---------------|----------------------------------------------------------|-------------------------|-------------|
| <div><div><div>1 = BLACK #1</div><div>2 = WHITE #1</div><div>3 = DRAIN #1</div><div>4 = BLACK #2</div><div>5 = WHITE #2</div><div>6 = DRAIN #2</div><div>7 = BLACK #3</div><div>8 = WHITE #3</div><div>9 = DRAIN #3</div><div>10 = BLACK #4</div><div>11 = WHITE #4</div><div>12 = DRAIN #4</div><div>13 = BLACK #5</div><div>14 = WHITE #5</div><div>15 = DRAIN #5</div><div>16 = BLACK #6</div><div>17 = WHITE #6</div><div>18 = DRAIN #6</div><div>19 = 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>CONTACT MATERIAL/PLATING</td><td>BRASS/GOLD</td></tr><tr><td>HOUSING MATERIAL/FINISH</td><td>STAINLESS STEEL/PASSIVATED</td></tr><tr><td>O-RING/GASKET MATERIAL</td><td>RUBBER (NBR or FPM)</td></tr><tr><td>RATED CURRENT [A]</td><td>2.0 A</td></tr><tr><td>RATED VOLTAGE [V]</td><td>150 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>12x22 AWG; 1x18 AWG</td></tr><tr><td>DRAIN/SHIELD</td><td>6x22 AWG DRAINS/INDIVIDUALLY SHIELDED,<br/>100% OVERALL SHIELD; 1x22 AWG OVERALL DRAIN</td></tr><tr><td>CONDUCTOR ARRANGEMENT</td><td>6 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN</td></tr><tr><td>TEMPERATURE RANGE</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>CABLE RATINGS</td><td>UL: ITC/PLTC/AWM, 105C, 300V<br/>CSA: CMG/AWM, 105C, 300V</td></tr><tr><td>MAXIMUM PANEL THICKNESS</td><td>6.5 [0.256]</td></tr></table> | CONTACT CARRIER MATERIAL | NYLON or PBT | CONTACT MATERIAL/PLATING | BRASS/GOLD | HOUSING MATERIAL/FINISH | STAINLESS STEEL/PASSIVATED | O-RING/GASKET MATERIAL | RUBBER (NBR or FPM) | RATED CURRENT [A] | 2.0 A | RATED VOLTAGE [V] | 150 V | OUTER JACKET MATERIAL/COLOR | PVC/PLUM | CONDUCTOR INSULATION MATERIAL | PVC | NUMBER OF CONDUCTORS [AWG] | 12x22 AWG; 1x18 AWG | DRAIN/SHIELD | 6x22 AWG DRAINS/INDIVIDUALLY SHIELDED,<br>100% OVERALL SHIELD; 1x22 AWG OVERALL DRAIN | CONDUCTOR ARRANGEMENT | 6 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN | TEMPERATURE RANGE | -40°C to 105°C (-40°F to 221°F) | PROTECTION CLASS | MEETS IEC IP67 | CABLE RATINGS | UL: ITC/PLTC/AWM, 105C, 300V<br>CSA: CMG/AWM, 105C, 300V | MAXIMUM PANEL THICKNESS | 6.5 [0.256] |
| CONTACT CARRIER MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NYLON or PBT                                                                          |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| CONTACT MATERIAL/PLATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BRASS/GOLD                                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| HOUSING MATERIAL/FINISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | STAINLESS STEEL/PASSIVATED                                                            |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| O-RING/GASKET MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RUBBER (NBR or FPM)                                                                   |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| RATED CURRENT [A]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.0 A                                                                                 |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| RATED VOLTAGE [V]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150 V                                                                                 |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| OUTER JACKET MATERIAL/COLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PVC/PLUM                                                                              |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| CONDUCTOR INSULATION MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PVC                                                                                   |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| NUMBER OF CONDUCTORS [AWG]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12x22 AWG; 1x18 AWG                                                                   |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| DRAIN/SHIELD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6x22 AWG DRAINS/INDIVIDUALLY SHIELDED,<br>100% OVERALL SHIELD; 1x22 AWG OVERALL DRAIN |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| CONDUCTOR ARRANGEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN                                       |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| TEMPERATURE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C to 105°C (-40°F to 221°F)                                                       |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| PROTECTION CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MEETS IEC IP67                                                                        |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| CABLE RATINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UL: ITC/PLTC/AWM, 105C, 300V<br>CSA: CMG/AWM, 105C, 300V                              |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| MAXIMUM PANEL THICKNESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.5 [0.256]                                                                           |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| PANEL CUTOUT (TYPICAL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |
| REF. KEY TO FLAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |              |                          |            |                         |                            |                        |                     |                   |       |                   |       |                             |          |                               |     |                            |                     |              |                                                                                       |                       |                                                 |                   |                                 |                  |                |               |                                                          |                         |             |

 M23 connector



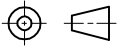
| CABLE LENGTH | TOLERANCE*                                                                  |
|--------------|-----------------------------------------------------------------------------|
| ALL LENGTHS  | + 4% (OR 50mm) OF LENGTH<br>- 0% (OR 0mm) OF LENGTH<br>WHICHEVER IS GREATER |
| STRIP LENGTH |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

SOURCE DRAWING - FOR REFERENCE ONLY

|                        |  |  |  |                                                                                       |  |                                                                                                                            |  |                                                                                                                      |  |
|------------------------|--|--|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|
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| 1.<br>2.<br>3.<br>4.   |  |  |  |  |  | DRFT TH                                                                                                                    |  | DATE 10/10/05                                                                                                        |  |
| MATERIAL               |  |  |  | SEE SPECIFICATIONS                                                                    |  | APVD                                                                                                                       |  | SCALE 1=1.5                                                                                                          |  |
| FINISH                 |  |  |  | SEE SPECIFICATIONS                                                                    |  | UNIT OF MEASUREMENT                                                                                                        |  | DESCRIPTION                                                                                                          |  |
|                        |  |  |  |                                                                                       |  | MILLIMETER [ INCH ]                                                                                                        |  | P-CSFLV 19-195-*                                                                                                     |  |
|                        |  |  |  | CONTACT TURCK FOR MORE INFORMATION                                                    |  | DO NOT SCALE THIS DRAWING                                                                                                  |  | IDENTIFICATION NO.                                                                                                   |  |
|                        |  |  |  |                                                                                       |  |                                                                                                                            |  | REV                                                                                                                  |  |
|                        |  |  |  |                                                                                       |  |                                                                                                                            |  | F                                                                                                                    |  |
| F UPDATE RATED CURRENT |  |  |  | NF 04/09/19                                                                           |  | 69299                                                                                                                      |  | FILE: 777012152                                                                                                      |  |
| REV DESCRIPTION        |  |  |  | BY DATE                                                                               |  | ECO NO.                                                                                                                    |  | SHEET 1 OF 1                                                                                                         |  |