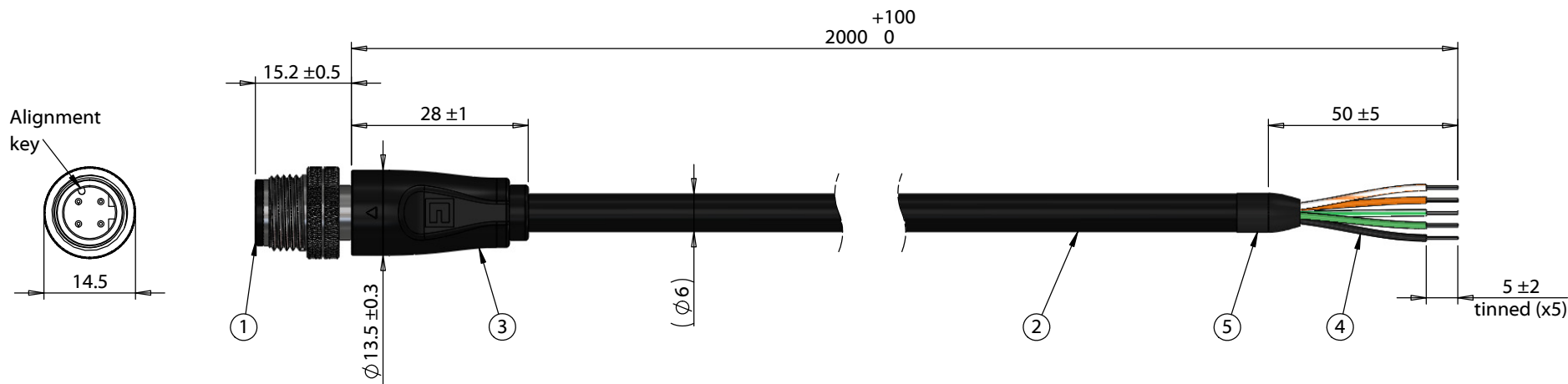


| ITEM NO. | PART NUMBER | DESCRIPTION                                                                                          | COMPONENT NOTES      | QTY. |
|----------|-------------|------------------------------------------------------------------------------------------------------|----------------------|------|
| 1        | 50-01029    | Connector, M12 D-code plug, 4 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67, shielded |                      | 1    |
| 2        | 30-03676    | Wire, 4C, 2PR BC, 24AWG, CAT5e SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 6 mm, shielded, VW-1, PVC   |                      | 1    |
| 3        | 24-00349    | Overmold, M12 plug and jack, 180°                                                                    | PVC, black           | 1    |
| 4        | 32-00014    | Heat shrink, 0.9 mm ID, 0.6 mm OD, EVA, 2:1 ratio, 125 °C, UL VW-1, thin wall                        | covers shield        | 1    |
| 5        | 32-00025    | Heat shrink, 6.5 mm ID, 6 mm OD, EVA, 2:1 ratio, 125 °C, UL VW-1, thin wall                          | covers end of jacket | 1    |



#### Notes:

Voltage: 250 V

Current: 4 A

Temperature: -40 ~ 105 °C

Signal: Ethernet CAT5e 1 Gbps

#### Wire:

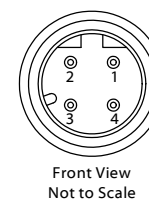
Oil resistant up to 60 °C

Water resistant up to 75 °C

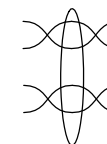
UV resistant

IP67 waterproof rating when M12 connector mated with corresponding (IP67) M12 connector

Functionally equivalent components may be substituted



Front View  
Not to Scale



| Wiring Diagram |              |
|----------------|--------------|
| 50-01029       | wire color   |
| 1              | white/orange |
| 3              | orange       |
| 2              | white/green  |
| 4              | green        |
| Shell          | Shield       |

|           |            |                 |                                |                                                                                                     |                                                                                                                                                    |
|-----------|------------|-----------------|--------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision: | Date:      | Description:    | Prepared:                      | Notes:                                                                                              | <div style="text-align: center;"> <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118</p> <p>fax 1.541.323.4202 web tensility.com</p> </div> |
| A         | 08/20/2025 | Initial release | Verified:                      | RoHS compliant                                                                                      |                                                                                                                                                    |
|           |            |                 | Dimensions are in millimeters. | Function test: no open, no short circuit, no intermittent                                           |                                                                                                                                                    |
|           |            |                 | Tolerances:                    | Description:                                                                                        |                                                                                                                                                    |
|           |            |                 | X: ± 0.5 mm                    | Cable, 2000 mm, M12 D-code plug 4 pin 50-01029 to stripped and tinned, CAT5e, 24 AWG, 30-03676 wire |                                                                                                                                                    |
|           |            |                 | X.X: ± 0.3 mm                  |                                                                                                     | Size: A                                                                                                                                            |
|           |            |                 | X.XX: ± 0.05 mm                |                                                                                                     | Part number: 10-06244                                                                                                                              |
|           |            |                 |                                |                                                                                                     | Scale: 1:1                                                                                                                                         |
|           |            |                 |                                |                                                                                                     | Sheet 1 of 1                                                                                                                                       |