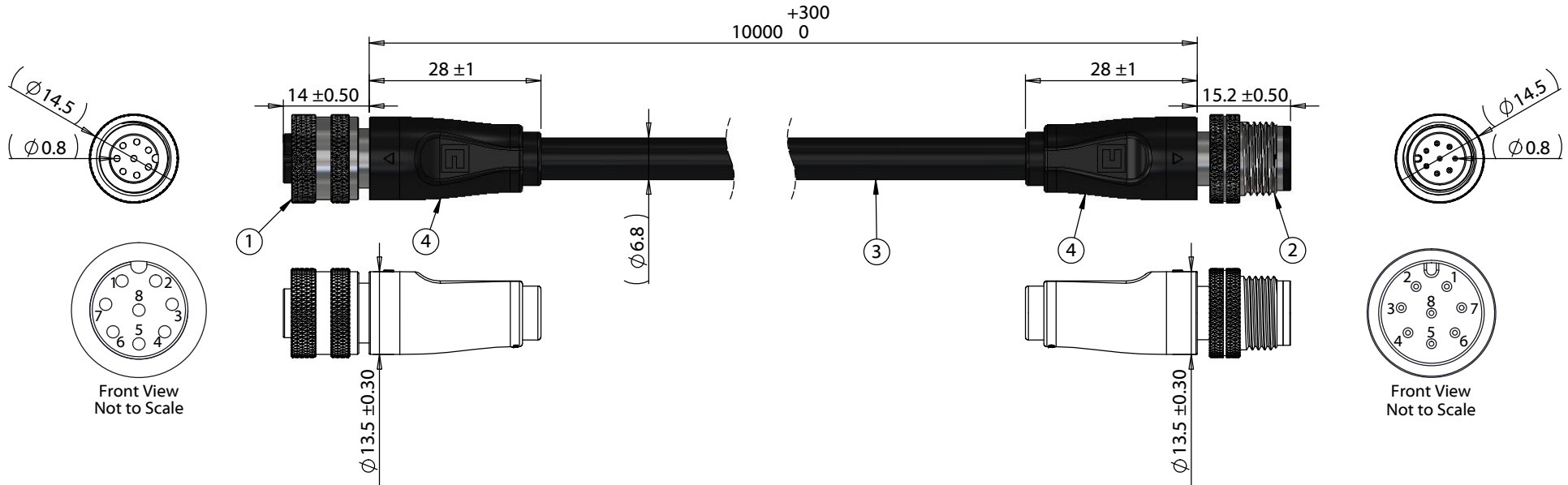


| ITEM NO. | PART NUMBER | DESCRIPTION  | QTY. | COMPONENT NOTES |
|----------|-------------|--|------|-----------------|
| 1        | 50-00983    | Connector, 8 pin M12 A-code socket, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded | 1    |                 |
| 2        | 50-00990    | Connector, 8 pin M12 A-code plug, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded   | 1    |                 |
| 3        | 30-01611    | Wire, 8C TS, 24 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.8 mm, shielded, VW-1, PVC, 80A, black       | 1    |                 |
| 4        | 24-00349    | Overmold, M12 plug and jack, 180°  | 2    | PVC, black      |



**Notes:**  
 Cable rated for 30 V, 2 A  
 Temperature: -40 ~ 105 °C  
 Oil resistant up to 60 °C  
 Water resistant up to 75 °C  
 UV resistant

IP67 waterproof rating when mated with corresponding (IP67) connector

Functionally equivalent components may be substituted

| Wiring Diagram |              |          |
|----------------|--------------|----------|
| 50-00983       | wire color   | 50-00990 |
| 1              | red          | 1        |
| 2              | yellow       | 2        |
| 3              | black        | 3        |
| 4              | white        | 4        |
| 5              | orange       | 5        |
| 6              | blue         | 6        |
| 7              | green        | 7        |
| 8              | purple       | 8        |
| Shell          | shield/drain | Shell    |

|            |            |                            |  |   |   |
|------------|------------|----------------------------|--|---|---|
| Revision:  | Date:      | Description:               | Prepared:  | Notes:  | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/>         fax 1.541.323.4202 web tensility.com</p> |
| A          | 10/15/2020 | Initial release            | Verified:  | RoHS compliant  |   |
|            |            |                            | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Function test: no open, no short circuit, no intermittent   |   |
|            |            |                            |  | Description:<br>Cable, 10000 mm, 0.8 mm 8C 50-00983 M12 socket to 0.8 mm 50-00990 M12 plug, 24 AWG, 30-01611 wire |   |
| Scale: 1:1 |            | Part number:<br>A 10-03860 |  | Sheet 1 of 1  |   |

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