

**Ratings**  
 Voltage: 300 V  
 Temperature: -30~75°C (static), -20~75°C (dynamic)  
 Flammability: FT6

**Conductors**  
 Gauge: 24 AWG 0.20 mm<sup>2</sup>  
 Conductor: tinned copper strands  
 Stranding:  $\phi 0.2$  (x7)  
 Conductor resistance at 20 °C: 94.2  $\Omega$  /km max

**Insulation**  
 Color: white-blue / blue,  
 white-orange / orange,  
 white-green / green,  
 white-brown / brown,  
 Material: flourinated ethylene propylene (FEP)  
 Diameter:  $\phi 1.35 \pm 0.10$  mm  
 Nominal thickness: 0.35mm  
 Resistance at 20 °C: 2.5 M $\Omega$  /kft min

**Shield**  
 Type: tinned copper braid  
 Stranding:  $\phi 0.10$  mm, 65% minimum coverage

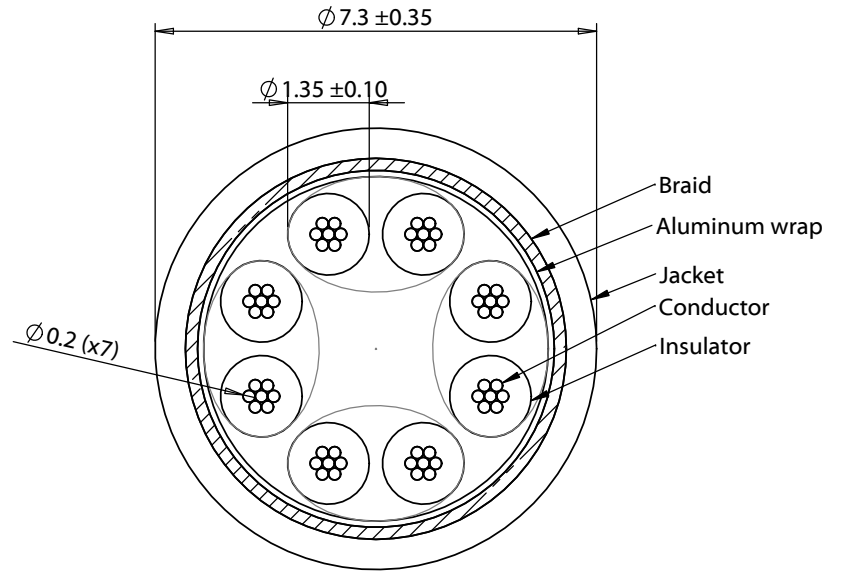
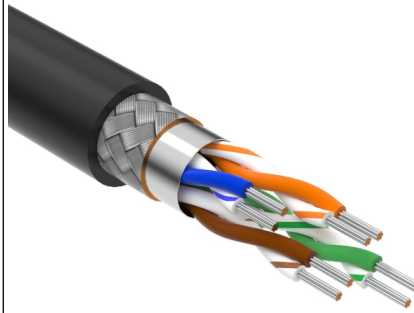
**Wrap:**  
 Material: aluminum foil (facing out)

**Outer jacket**  
 Material: PVC, 90A  
 Color: black  
 Diameter:  $\phi 7.3 \pm 0.35$  mm  
 Nominal thickness: 0.50 mm

**Jacket marking:** E540825 UL STYLE CMP 75°C --- cUL CMP 75°C TENSILITY

**Mechanical tests**  
 Tensile strength: 13.8 MPa (jacket)  
 Heat aging: Elongation 50% MIN; Tensile strength 75% MIN after aging at 100°C for 240 hrs  
 Cold bend: no deformation after aging at -20°C for 4 hours  
 Bend radius: 87.6 mm (Static), 109.5 mm (dynamic)

**Electrical tests**  
 Dielectric: 1.5 kV for 1 min, no breakdown  
 Characteristic impedance: 100  $\pm$  15  $\Omega$



|           |            |                 |  |  |   |
|-----------|------------|-----------------|--|--|---|
| Revision: | Date:      | Description:    | Prepared:  | Notes:   | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |
| A         | 03/24/2026 | Initial release | Verified:  | RoHS compliant<br>Approved for use in plenums<br>FT6 flammability rating         |   |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm | Description:<br>Wire, 8C, TS, 4PR 24 AWG, CMP, 300V, 75°C, 7.3 mm, shielded, PVC | Size: Part number:<br>A 30-03845  |
|           |            |                 |  |  | Scale: 8:1  Sheet 1 of 1  |

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