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

**Conductors**
Gauge: 20 AWG 0.51 mm²
Conductor: tinned copper strands
Stranding: ∅0.19 (x19)
Conductor resistance at 20 °C: 36.7 Ω /km max

**Insulation**
Color: white-green / green
Material: flourinated ethylene propylene (FEP)
Diameter: ∅2.9 ±0.10 mm
Nominal thickness: 0.92 mm
Resistance at 20 °C: 2.5 MΩ /kft min

**Shield**
Type: tinned copper braid
Stranding: Ø0.10 mm, 65% minimum coverage

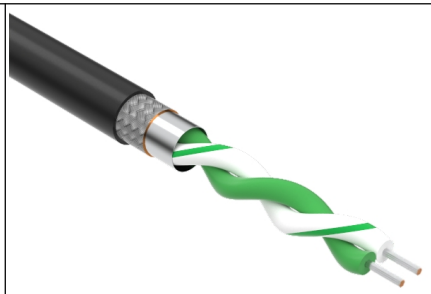
**Wrap**:
Material: aluminum foil (facing out)

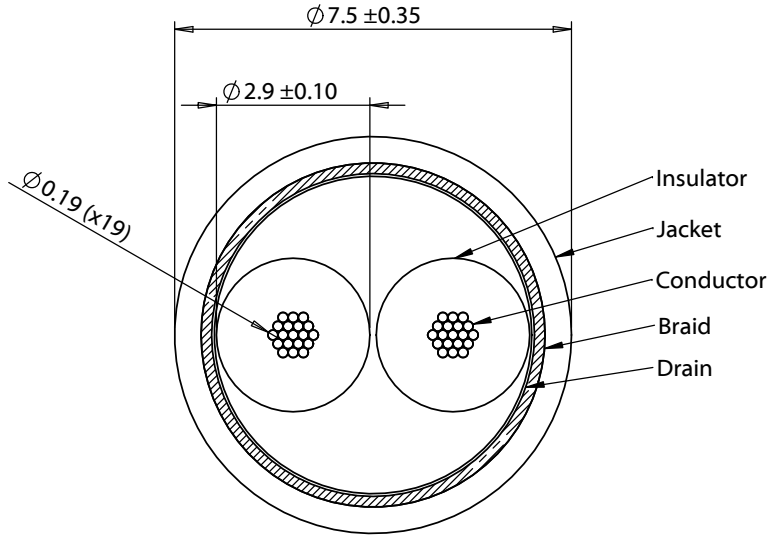
**Outer jacket**
Material: PVC, 90A
Color: black
Diameter: ∅7.5 ±0.35 mm
Nominal thickness: 0.50 mm

**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: 90 mm (Static), 112.5 mm (dynamic)

**Electrical tests**
Dielectric: 1.5 kV for 1 min, no breakdown
Characteristic impedance: 100 ± 15 Ω






| Revision: | Date: | Description: |
|---|---|---|
| A | 03/24/2026 | Initial release |
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| | | |

Prepared: CR Digitally signed by CR Date: 2026.05.04 11:42:32 -07'00'

Verified: KM Digitally signed by KM Date: 2026.05.06 13:32:43 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant

Approved for use in plenums
FT6 flammability rating

Description:
Wire, 2C, TS, 1PR 20 AWG, CMP, 300V, 75°C, 7.5 mm, shielded, PVC

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-03834
Scale: 7:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

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