

**Ratings**

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

**Conductors**

Gauge: 22 AWG 0.32 mm<sup>2</sup>  
 Conductor: tinned copper strands  
 Stranding:  $\phi 0.15$  (x19)  
 Conductor resistance at 20 °C: 59.4  $\Omega$  /km max

**Insulation**

Color: white-green / green  
 Material: flourinated ethylene propylene (FEP)  
 Diameter:  $\phi 2.3 \pm 0.10$  mm  
 Nominal thickness: 0.73 mm  
 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:  $\phi 6.3 \pm 0.35$  mm  
 Nominal thickness: 0.50 mm

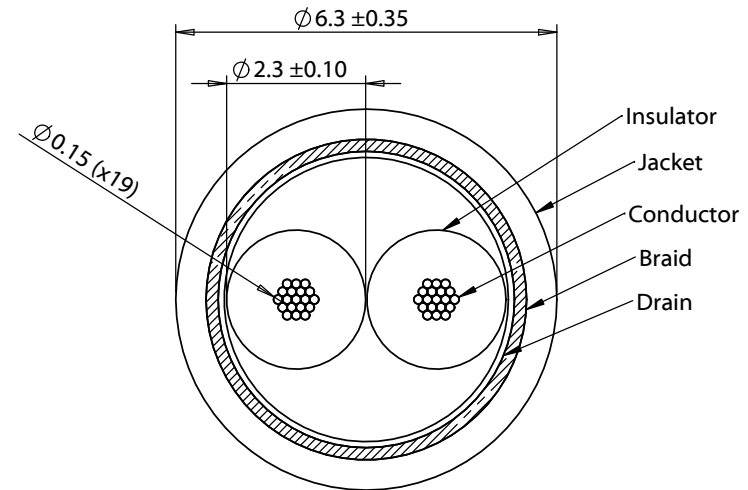
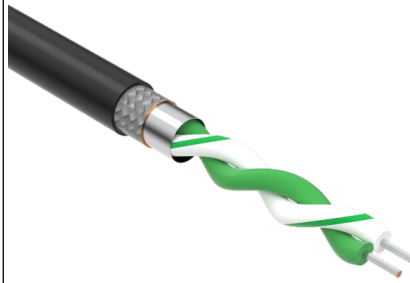
**Jacket marking:** E540825 UL STYLE CMP 75°C --- cUL CMP 75°C  
 TENSILITY

**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: 75.6 mm (Static), 94.5 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> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	03/24/2026	Initial release	Verified:	RoHS compliant Approved for use in plenums FT6 flammability rating	
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description:	Size: Part number:
				Wire, 2C, TS, 1PR 22 AWG, CMP, 300V, 75°C, 6.3 mm, shielded, PVC	A 30-03838
				Scale: 8:1	Sheet 1 of 1

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