

**Ratings**

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

**Conductors (Signal 1PR, Power 1PR)**

Gauge: 24 AWG 0.20 mm<sup>2</sup> (signal), 22 AWG 0.32 mm<sup>2</sup> (power)  
 Conductor: tinned copper strands  
 Signal:  $\varnothing 0.127$  (x19)  
 Power:  $\varnothing 0.16$  (x19)  
 Conductor resistance at 20 °C:  
 94.2  $\Omega$  /km max (signal), 59.4  $\Omega$  /km max (power)

**Insulation**

Color: white/green (signal), red/black (power)  
 Material: fluorinated ethylene propylene (FEP)  
 Diameter:  $\varnothing 1.9 \pm 0.15$  mm (signal),  $\varnothing 1.4 \pm 0.10$  mm (power)  
 Nominal thickness: 0.45 mm (signal), 0.28 mm (power)  
 Resistance at 20 °C: 2.5 M $\Omega$  /kft min

**Shield**

Type: tinned copper braid  
 Stranding:  $\varnothing 0.10$  mm, 65% minimum coverage

**Wrap:**

Material: aluminum mylar foil (facing out)

**Drain**

Stranding:  $\varnothing 0.16$  (x19)  
 Material: tinned copper strands

**Outer jacket**

Material: PVC, 90A  
 Color: black  
 Diameter:  $\varnothing 6.3 \pm 0.35$  mm  
 Nominal thickness: 0.50 mm

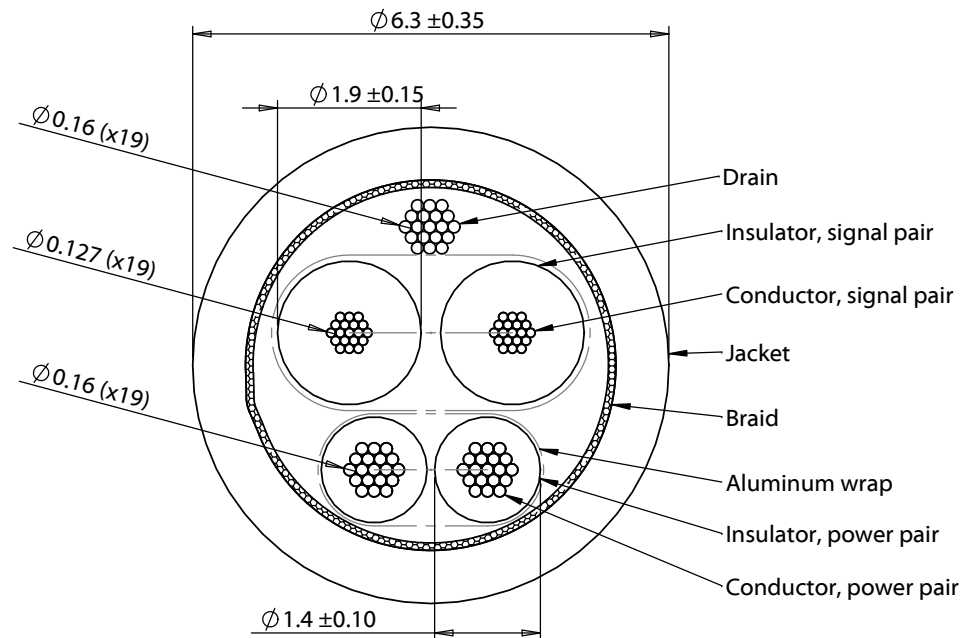
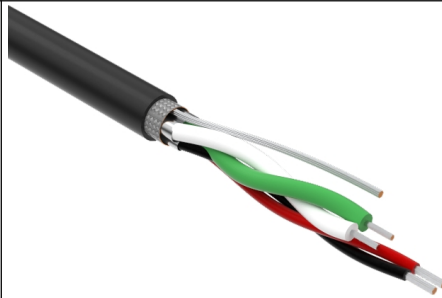
**Jacket marking:** E540825 UL STYLE CMP 75°C --- cUL CMP 75°C  
 TENSILITY

**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: 50.4 mm (Static), 75.6 mm (dynamic)

**Electrical tests**

Dielectric: 1.5 kV for 1 min, no breakdown  
 Characteristic impedance:  $100 \pm 20 \Omega$  (signal pair)



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>
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: Wire, 4C, TS, 1PR 22 AWG, 1PR 24 AWG, CMP, 300V, 75°C, 6.3 mm, shielded, PVC	Size: A Part number: 30-03832
					Scale: 10:1  Sheet 1 of 1

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