

Ratings

Voltage: 600 V
 Temperature: -40~105 °C
 Flammability: FT2

Conductor

Conductor count: 10
 Gauge: 28 AWG 0.09 mm²
 Material: tinned copper strands
 Strand size: $\phi 0.127 \times 7$
 Resistance at 20 °C: 250 Ω /km max

Insulator

Material: mPPE
 Color: red, black, white, yellow, blue, green, orange, purple, gray, brown
 Diameter: $\phi 0.9 \pm 0.08$ mm
 Average thickness: 0.25 mm
 Resistance at 20 °C: 100 M Ω /km min

Wrap

Material: cotton paper

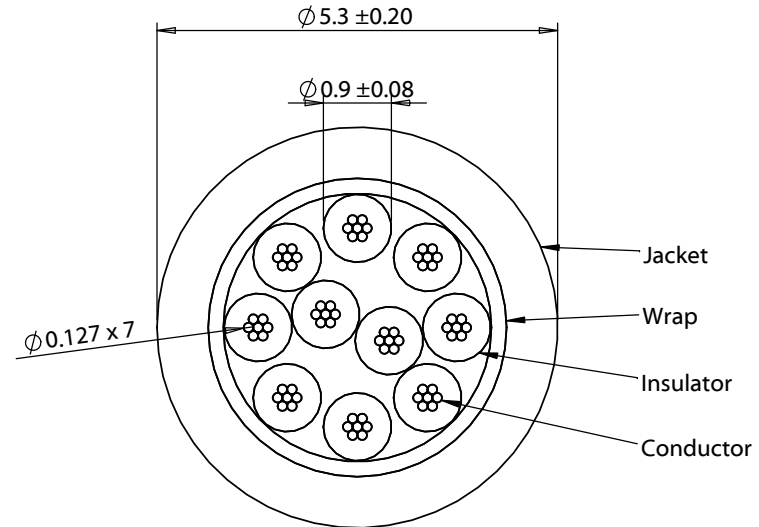
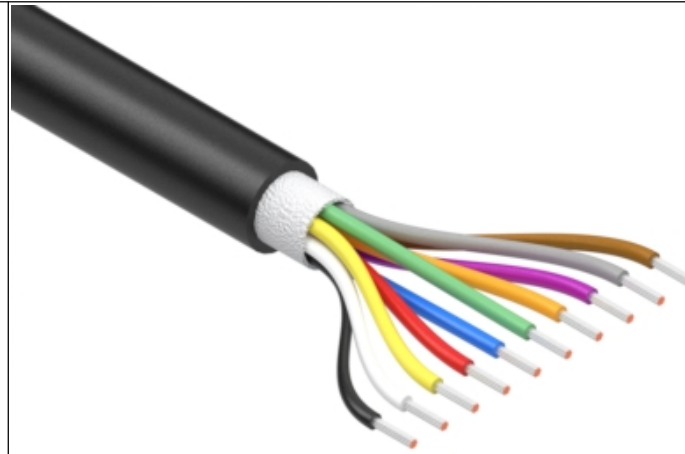
Outer jacket

Material: mPPE, 85A
 Color: black
 Diameter: $\phi 5.3 \pm 0.20$ mm
 Average thickness: 0.8 mm

Wire marking: E339579 UL AWM STYLE 21509 28 AWG 105°C 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

Bend radius

Minimum: 6 times diameter (31.8 mm)



| | | | | | |
|-----------|----------|-----------------|--|--|---|
| Revision: | Date: | Description: | Prepared: | Notes: | TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com |
| A | 5/4/2021 | Initial release | Verified: | RoHS compliant Phthalate and halogen free | |
| | | | Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm | Description: | Size: Part number: |
| | | | | Wire, 10C TS, 28 AWG, 21509, 600V, 105C, 5.3 mm, FT2, mPPE | A 30-02043 |
| | | | | Scale: 10:1 | Sheet 1 of 1 |

5

4

3

2

1