

Ratings

Temperature: -40 ~ 70 °C
Voltage: 150 V

Conductor

Gauge: 28 AWG 0.08 mm²
Material: tinned copper strands
Strand size: $\varnothing 0.05 \times 40$
Resistance at 20 °C: 240 Ω /km max

Insulator

Material: HDPE
Color: brown, gray, purple, orange, green, blue, yellow, white, black, red
Diameter: $\varnothing 0.7 \pm 0.10$ mm
Nominal thickness: 0.15 mm
Resistance at 20 °C: 1000 M Ω /km min

Shield

Type: spiral
Material: tinned copper strands
Stranding: $\varnothing 0.08$ mm
Coverage: 90 % min

Outer jacket

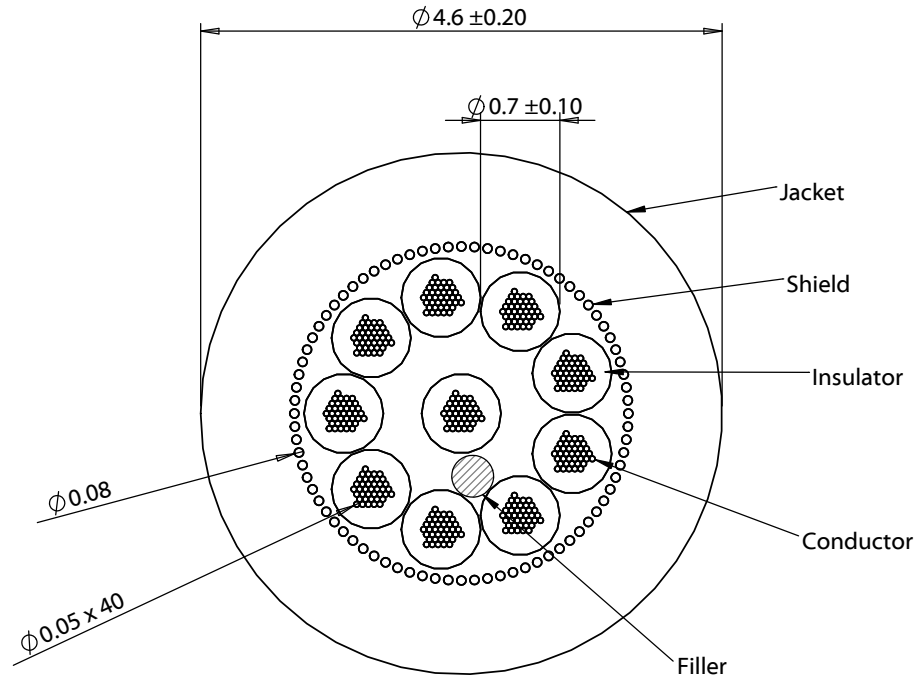
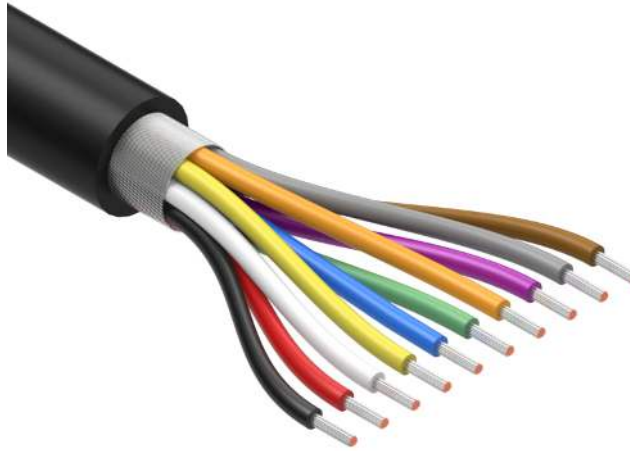
Material: TPU
Color: black
Nominal thickness: 0.50 mm
Diameter: $\varnothing 4.6 \pm 0.20$ mm

Filler

Material: aramid fiber

Tests

Tensile strength: 35.7 kgf
Dielectric test: 1500 V dc for 1 minute without breakdown
Bend test at 200 g, $\pm 90^\circ$, 30 cycles /min: 15,000 cycle minimum



| Revision: | Date: | Description: |
|-----------|------------|---|
| A | 10/11/2018 | Initial release |
| A1 | 01/21/2019 | Changed filler material to generic name |
| | | |
| | | |

Prepared: PS
Digitally signed by PS
Date: 2019.07.19
14:06:17 -07'00'

Verified: CH
Digitally signed by CH
Date: 2019.07.19
14:25:26 -07'00'

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

Notes:

RoHS compliant
Jacket meets ISO 10993 Biological Compatibility
Phthalate and halogen free
Function test: no open, no short, no intermittent

Description:

Wire, 10C TS, 28 AWG, 150V, 70C, 4.6 mm, shielded, TPU, 75A, WBL

TENSILITY

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Size: A
Part number: 30-01201

Scale: 15:1



Sheet 1 of 1

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