

Ratings

Temperature: 0 ~ 70 °C

Conductor

Gauge: 28 AWG, 0.081 mm²
 Material: tinned copper strands
 Stranding: $\varnothing 0.05 \times 40$
 Resistance at 20 °C: 240 Ω /km

Insulator

Material: HDPE
 Color: black, white, yellow, red
 Outer diameter: $\varnothing 0.7 \pm 0.10$ mm
 Nominal thickness: 0.15 mm
 Resistance at 20 °C: 1000 M Ω /km

Shield

Type: spiral
 Material: tinned copper strands
 Strand size: $\varnothing 0.08$ mm
 Coverage: 90 % minimum

Outer jacket

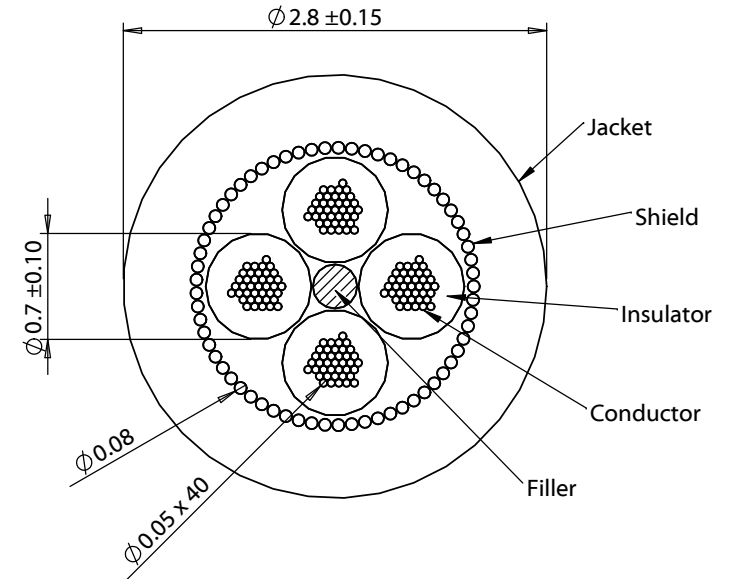
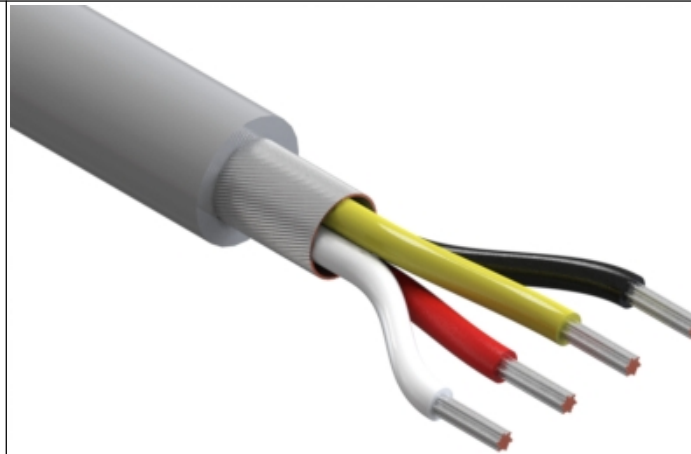
Material: TPU, 70 °C
 Color: cool gray 9C
 Nominal thickness: 0.50 mm
 Diameter: $\varnothing 2.8 \pm 0.15$ mm

Filler

Material: kevlar

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	4/24/2015	Initial release
A1	6/29/2015	Updated notes section
A2	1/13/2016	Updated notes, corrected tolerances

PREPARED:
VERIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm

NOTES RoHS and REACH compliant Jacket meets ISO 10993 for biological compatibility Phthalate and halogen free Function test: no open, no short, no intermittent
DESCRIPTION: Wire, 4C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral shield, TPU, gray

TENSILITY	
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SIZE A	PART NUMBER 30-00447
SCALE: 1:1	SHEET 1 OF 1