

Ratings

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

Conductor

Conductor count: 3
 Gauge: 28 AWG 0.08 mm²
 Material: tinned copper strands
 Strand size: Ø 0.05 mm x 40
 Resistance at 20 °C: 240 Ω /km max

Insulator

Material: HDPE
 Color: white, black, red
 Diameter: Ø 0.7 ±0.10 mm
 Nominal thickness: 0.15 mm
 Resistance at 20 °C: 100 MΩ /km min

Shield

Type: aluminum mylar + tinned copper spiral
 Coverage: 85% min spiral, 100% foil
 Stranding: Ø0.08 mm x 52

Outer jacket

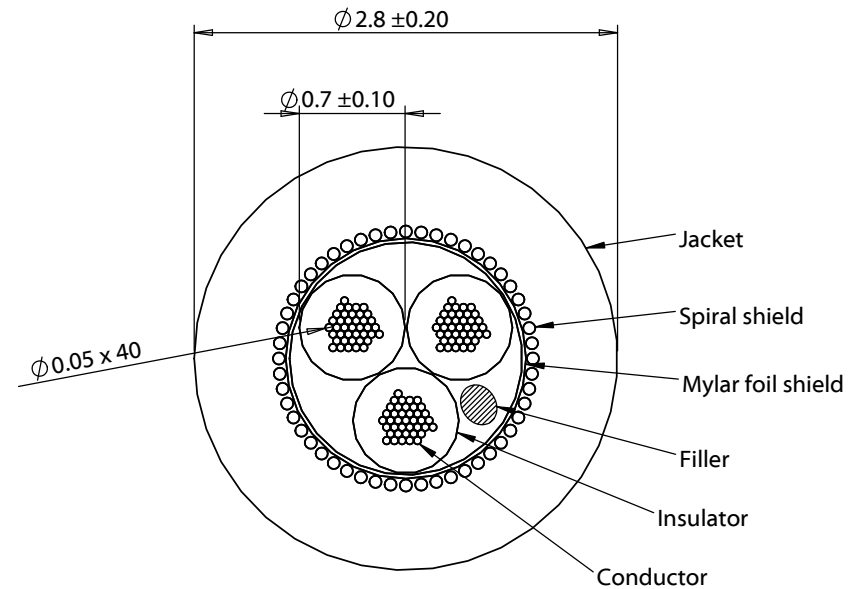
Material: TPU
 Color: black
 Diameter: Ø 2.8 ±0.20 mm
 Nominal thickness: 0.45 mm

Filler:

Material: aramid fiber

Tests

Tensile strength: 35.7 kgf
 Dielectric test: 1500V dc for 1 minute without breakdown
 Bend test at 200 g, ±90 °, 30 cycles/min: 15,000 cycles minimum



Revision:	Date:	Description:
A	1/11/21	Initial release

Prepared: AG
Digitally signed by AG
 Date: 2021.01.11 11:38:55
 -08'00'

Verified: AW
Digitally signed by AW
 Date: 2021.01.15
 10:54:17 -08'00'

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 for biological compatibility
 Phthalate and halogen free

Function test: no open, no short, no intermittent

Description:
 Wire, 3C TS, 28 AWG, 150V, 70C, 2.8 mm, shielded, TPU, WBL

TENSILITY

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Size: A Part number: 30-01638

Scale: 20:1 Sheet 1 of 1