

Ratings

Temperature: 0 ~ 70 °C
 Voltage: 150 V

Conductor

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

Insulator

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

Shield

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

Outer jacket

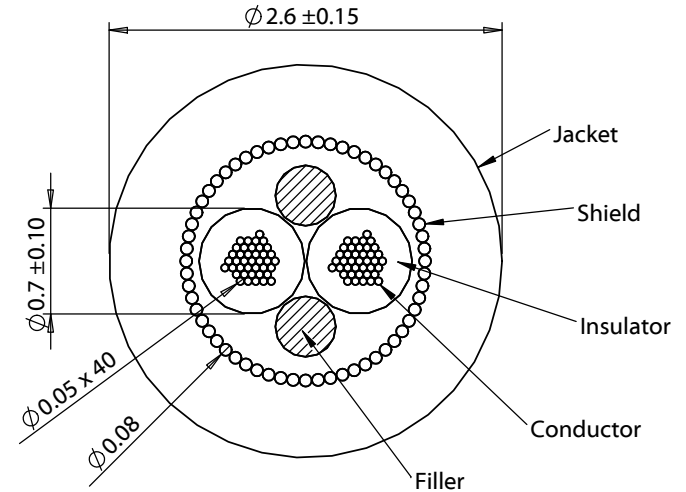
Material: TPU, 70 °C
 Color: black
 Nominal thickness: 0.50 mm
 Diameter: $\phi 2.6 \pm 0.15$ mm

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	9/30/2015	Initial release
A1	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 Biological Compatibility

Phthalate and halogen free

Function test: no open, no short, no intermittent

DESCRIPTION:
 Wire, 2C TS, 28 AWG, 150V, 70C, 2.6 mm, spiral shield, TPU

TENSILITY

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SIZE	PART NUMBER
A	30-00653

SCALE: 20:1

SHEET 1 OF 1