

Ratings

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

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, 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

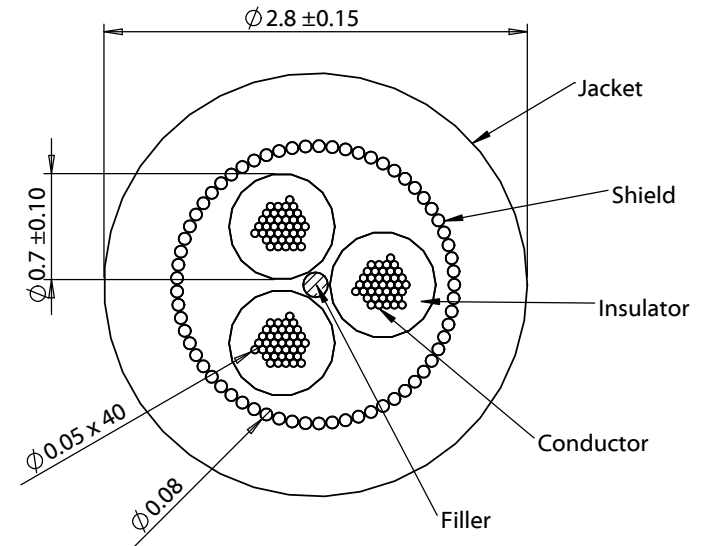
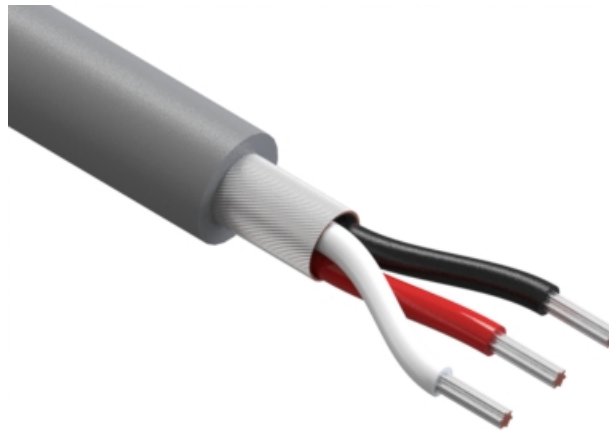
Material: TPU, 70 °C
 Color: cool gray 9C
 Nominal thickness: 0.55 mm
 Diameter: $\varnothing 2.8 \pm 0.15$ mm

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	4/22/2015	Initial release
A1	6/29/2015	removed conductive coating from insulator
A2	1/13/2016	Updated notes, corrected tolerances
A3	1/17/2019	Changed filler material to generic name

PREPARED:

AG
Digitally signed by AG
 Date: 2019.01.18
 10:33:40 -0800

VERIFIED:

GL
Digitally signed by GL
 Date: 2019.01.18
 12:00:45 -0800

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, 3C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral shield, TPU, gray

TENSILITY

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 Bend, OR 97701 USA
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 800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	30-00455

SCALE: 20:1

SHEET 1 OF 1