

Ratings

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

Conductor

Gauge: 32 AWG, 0.039 mm²
Material: tinned copper strands
Strand size: $\phi 0.05 \times 19$
Resistance at 20 °C: 590 Ω /km

Insulator

Material: HDPE
Color: black, white, yellow, red
Outer diameter: $\phi 0.55 \pm 0.05$ mm
Nominal thickness: 0.15 mm
Resistance at 20 °C: 1000 M Ω /km

Shield

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

Outer jacket

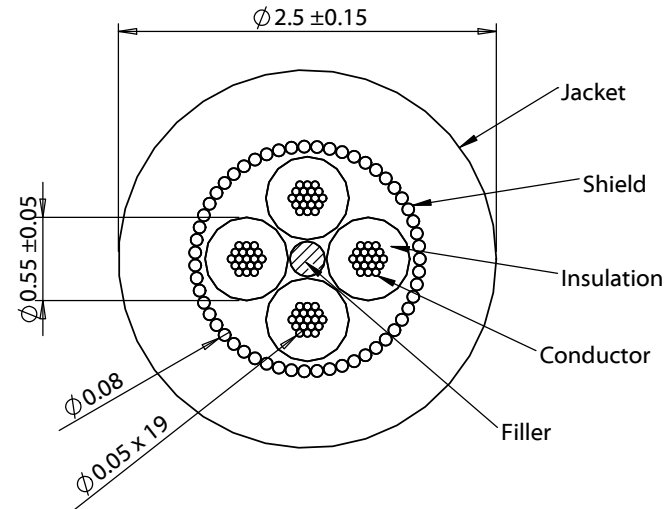
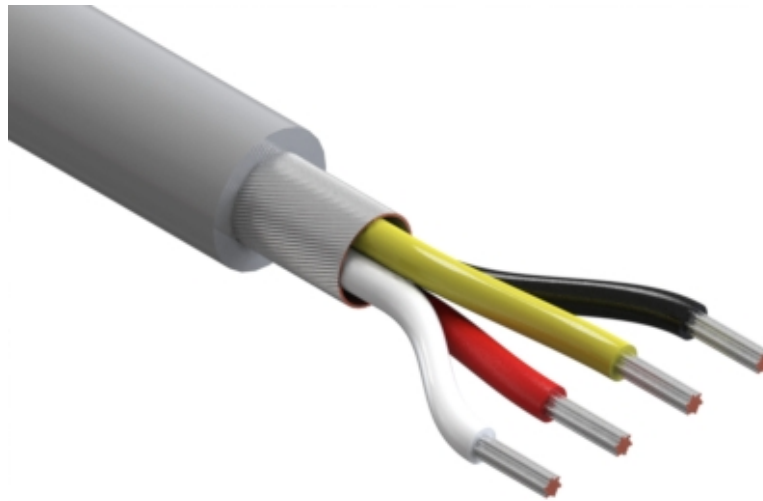
Material: TPU, 70 °C
Color: gray
Nominal thickness: 0.50 mm
Diameter: $\phi 2.5 \pm 0.15$ mm

Filler

Material: Aramid fiber

Tests

Tensile strength: 25.5 kgf
Dielectric test: 1500 V dc for 1 minute without breakdown
Bend test at 200 g, $\pm 90^\circ$, 30 cycles /min: 10,000 cycle minimum



REVISION	DATE	DESCRIPTION
A	4/24/2015	Initial release
A1	1/13/2016	Updated notes, corrected tolerances
A2	1/17/2019	Changed filler material to generic name

PREPARED:
AG
Digitally signed by AG
Date: 2019.01.17
10:54:55 -08'00'

VERIFIED:
GL
Digitally signed by GL
Date: 2019.01.18
11:42:23 -08'00'

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: no open, no short circuit, no intermittent

DESCRIPTION:
Wire, 4C TS, 32 AWG, 150V, 70C, 2.5 mm, spiral shield, TPU, gray

TENSILITY

20802 Sockeye Place #130
Bend, OR 97701 USA
tel 541.323.3228 fax 541.323.4202
800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	30-00445

SCALE: 20:1

SHEET 1 OF 1