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

Conductor
Gauge: 32 AWG, 0.039 mm²
Material: tinned copper strands
Stranding: ∅0.05 x 19
Resistance at 20 °C: 590 Ω/km

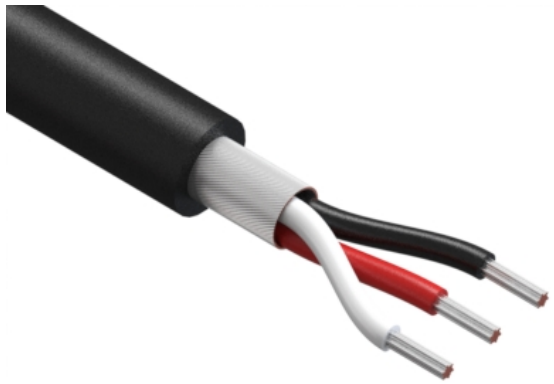
Insulator
Material: HDPE
Color: black, white, red
Outer diameter: ∅0.55 ±0.05 mm
Nominal thickness: 0.15 mm
Resistance at 20 °C: 1000 MΩ/km

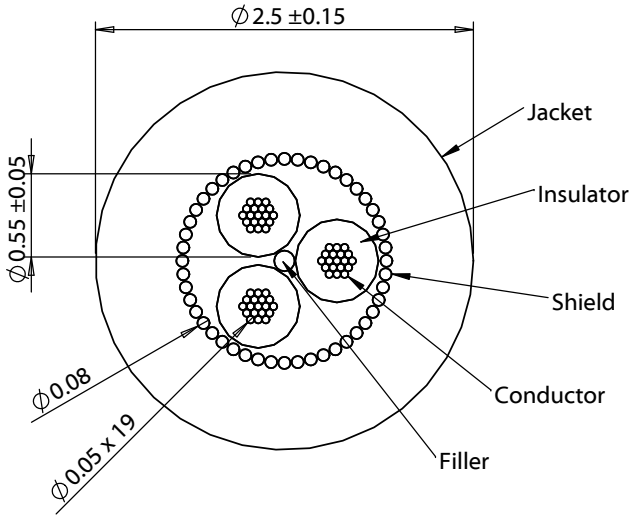
Shield
Type: spiral
Material: tinned copper strands
Strand size: ∅0.08 mm
Coverage: 90 % minimum

Outer jacket
Material: TPU, 70 °C
Color: black
Nominal thickness: 0.50 mm
Diameter: ∅2.5 ±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, ±90 °, 30 cycles /min: 10,000 cycle minimum





REVISION	DATE	DESCRIPTION
A	7/31/2015	Initial release
A1	1/13/2016	Updated notes, corrected tolerances
A2	1/17/2019	Changed filler material to generic name

PREPARED: KM Digitally signed by KM Date: 2026.02.12 16:05:53 -08'00'

VERIFIED: AG Digitally signed by AG Date: 2026.02.12 16:09:40 -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 test: no open, no short, no intermittent

DESCRIPTION:
Wire, 3C TS, 32 AWG, 150V, 70C, 2.5 mm, spiral shield, TPU, WBL

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	30-00494

SCALE: 1:1 | SHEET 1 OF 1

5 4 3 2 1

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