

**Ratings**

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

**Conductor**

Gauge: 32 AWG, 0.039 mm<sup>2</sup>  
 Material: tinned copper strands  
 Stranding:  $\phi 0.05 \times 19$   
 Resistance at 20 °C: 590  $\Omega$ /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 $\Omega$ /km

**Shield**

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

**Outer jacket**

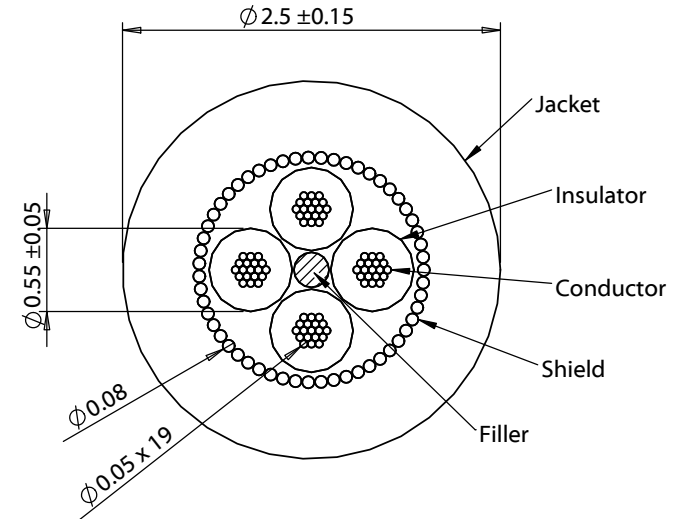
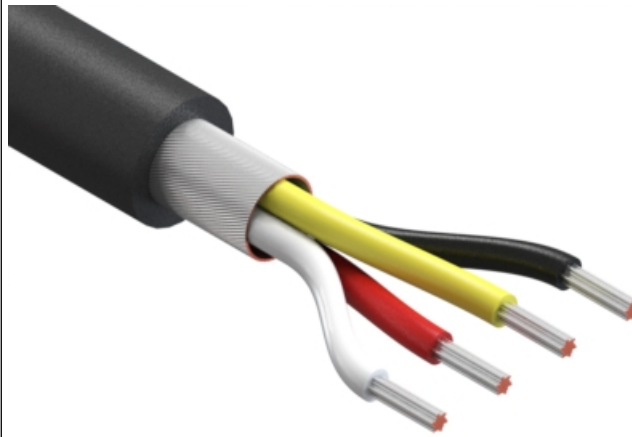
Material: TPU, 70 °C  
 Color: black  
 Nominal thickness: 0.50 mm  
 Diameter:  $\phi 2.5 \pm 0.15$  mm

**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	7/31/2015	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: 2019.01.18  
 11:15:56 -08'00'

VERIFIED:

**GL**

Digitally signed by GL  
 Date: 2019.01.18  
 12:10:56 -08'00'

DIMENSIONS ARE IN  
 MILLIMETERS

TOLERANCES:

X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  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, 4C TS, 32 AWG, 150V, 70C, 2.5 mm, spiral shield, TPU

**TENSILITY**

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 Bend, OR 97701 USA

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 800 877.670.7118 www.tensility.com

SIZE

A

PART NUMBER

30-00490

SCALE: 20:1

SHEET 1 OF 1