Ratings
Temperature: 0 ~ 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

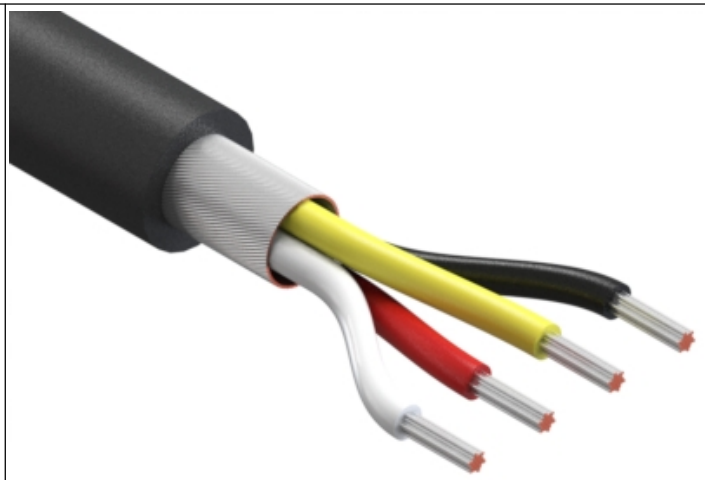
Insulator
Material: HDPE
Color: black, white, yellow, red
Outer diameter: ∅0.55 ±0.05 mm
Nominal thickness: 0.15 mm
Resistance at 20 °C: 1000 MΩ/km

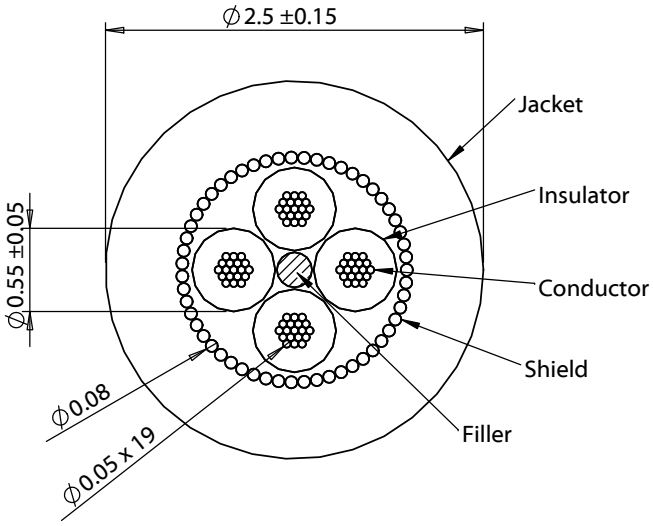
Shield
Type: spiral
Material: tinned copper strands
Strand size: ∅0.08 mm
Coverage: 90 % minimum

Outer jacket
Material: TPU, 70 °C
Color: black
Nominal thickness: 0.50 mm
Diameter: ∅2.5 ±0.15 mm

Filler
Material: kevlar

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

PREPARED: AG 2016.01.13 16:52:49 -08'00'

VERIFIED: LA Digitally signed by LA DN: cn=LA, o=Tensility, ou=Engineering, email=QA002@Tensility.com, c=US Date: 2016.01.13 17:08:55 -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, 4C TS, 32 AWG, 150V, 70C, 2.5 mm, spiral shield, TPU

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: A
PART NUMBER: 30-00490
SCALE: 20:1
SHEET 1 OF 1

5 4 3 2 1