

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

**Conductor**  
Gauge: 24 AWG, 0.20 mm²  
Material: tinned copper strands  
Stranding: Ø 0.08 x 41  
Resistance at 20 °C: 95 Ω/km max

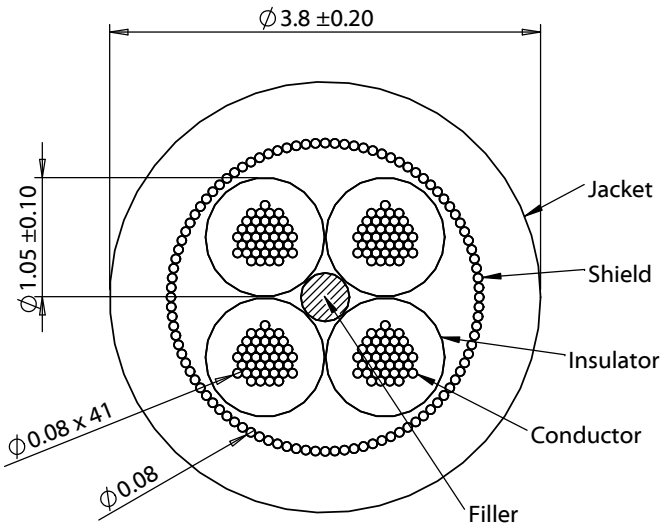
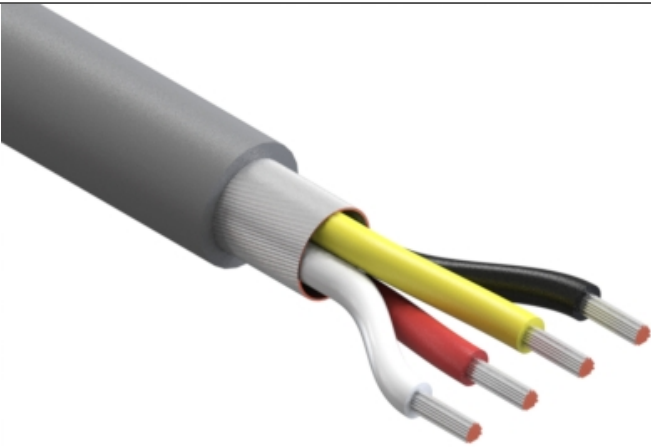
**Insulator**  
Material: HDPE  
Color: black, white, yellow, red  
Outer diameter: Ø 1.05 ±0.10 mm  
Nominal thickness: 0.20 mm  
Resistance at 20 °C: 1000 MΩ/km min

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

**Outer jacket**  
Material: TPU, 70 °C  
Color: cool gray 9C  
Nominal thickness: 0.50 mm  
Diameter: Ø 3.8 ±0.20 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, ±90 °, 30 cycles /min: 15,000 cycle minimum



| REVISION | DATE      | DESCRIPTION                             |
|----------|-----------|-----------------------------------------|
| A        | 9/29/2015 | Initial release                         |
| A1       | 1/13/2016 | Updated notes, corrected tolerances     |
| A2       | 1/17/2019 | Changed filler material to generic name |
|          |           |                                         |
|          |           |                                         |

PREPARED: **RR**  
Digitally signed by RR  
Date: 2024.10.07 11:36:25 -07'00'

VERIFIED: **AL**  
Digitally signed by AL  
Date: 2024.10.22 11:22:52 -07'00'

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 for biological compatibility  
Phthalate and halogen free  
Function test: no open, no short, no intermittent

**DESCRIPTION:**  
Wire, 4C TS, 24 AWG, 150V, 70C, 3.8 mm, spiral shield, TPU, gray, 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           | 30-00451     |
| SCALE: 15:1 | SHEET 1 OF 1 |