

**Ratings**

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

**Conductor**

Gauge: 26 AWG, 0.13 mm<sup>2</sup>  
Material: tinned copper strands  
Stranding:  $\varnothing 0.08 \times 26$   
Resistance at 20 °C: 150  $\Omega$ /km max

**Insulator**

Material: HDPE  
Color: black, white  
Outer diameter:  $\varnothing 0.9 \pm 0.10$  mm  
Nominal diameter: 0.20 mm  
Resistance at 20 °C: 1000 M $\Omega$ /km min

**Shield**

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

**Outer jacket**

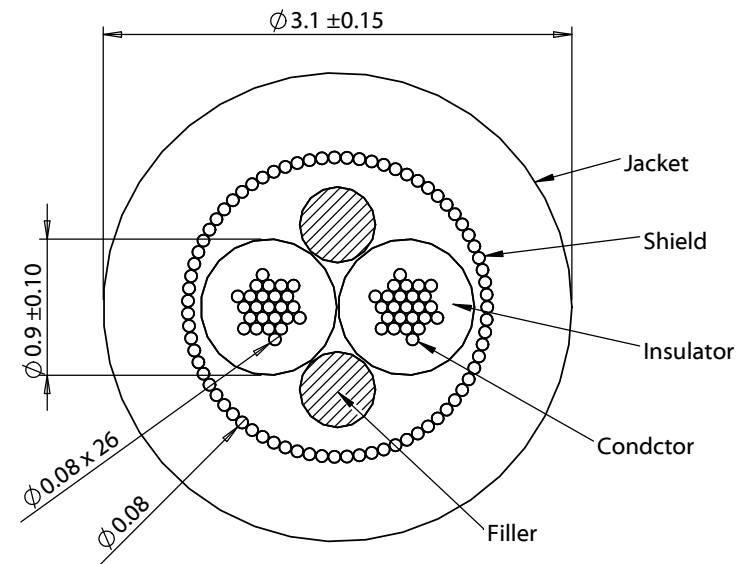
Material: TPU, 70 °C  
Color: cool gray 9C  
Nominal thickness: 0.50 mm  
Diameter:  $\varnothing 3.1 \pm 0.15$  mm

**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,  $\pm 90^\circ$ , 30 cycles /min: 15,000 cycle minimum



| REVISION | DATE      | DESCRIPTION                             | PREPARED:                                                                  | NOTES                                                                            | <div>TENSILITY</div> <div>20802 Sockeye Place #130<br/>Bend, OR 97701 USA<br/>tel 541.323.3228 fax 541.323.4202<br/>800 877.670.7118 www.tensility.com</div> |                         |              |
|----------|-----------|-----------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|
| A        | 9/30/2015 | Initial release                         |                                                                            | RoHS and REACH compliant                                                         |                                                                                                                                                              |                         |              |
| A1       | 1/13/2016 | Updated notes, corrected tolerances     | VERIFIED:                                                                  | Jacket meets ISO 10993 Biological Compatibility<br>Phthalate and halogen free    |                                                                                                                                                              |                         |              |
| A2       | 1/17/2019 | Changed filler material to generic name |                                                                            | Function test: no open, no short, no intermittent                                |                                                                                                                                                              |                         |              |
|          |           |                                         | DIMENSIONS ARE IN MILLIMETERS                                              | DESCRIPTION:<br>Wire, 2C TS, 26 AWG, 150V, 70C, 3.1 mm, spiral shield, TPU, gray | SIZE<br>A                                                                                                                                                    | PART NUMBER<br>30-00658 |              |
|          |           |                                         | TOLERANCES:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm |                                                                                  | SCALE: 1:1                                                                                                                                                   |                         | SHEET 1 OF 1 |