

**Ratings**

Temperature: 0 ~ 70 °C  
Voltage: 150 V

**Conductor**

Gauge: 24 AWG, 0.20 mm<sup>2</sup>  
Material: tinned copper strands  
Stranding:  $\phi 0.08 \times 41$   
Resistance at 20 °C: 95  $\Omega$ /km max

**Insulator**

Material: HDPE  
Color: black, white, yellow, red  
Outer diameter:  $\phi 1.05 \pm 0.10$  mm  
Nominal thickness: 0.20 mm  
Resistance at 20 °C: 1000 M $\Omega$ /km min

**Shield**

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

**Outer jacket**

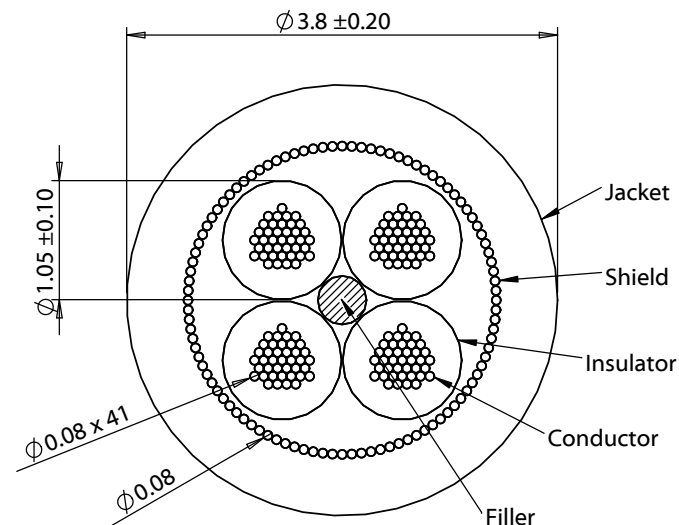
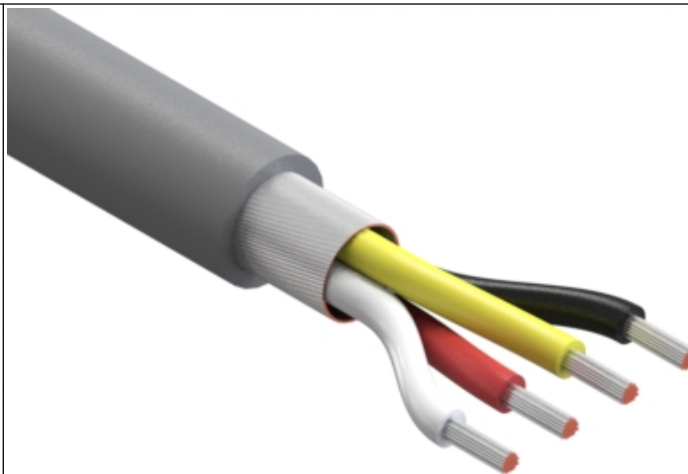
Material: TPU, 70 °C  
Color: cool gray 9C  
Nominal thickness: 0.50 mm  
Diameter:  $\phi 3.8 \pm 0.20$  mm

**Filler**

Material: kevlar

**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
A	9/29/2015	Initial release
A1	1/13/2016	Updated notes, corrected tolerances

PREPARED:	NOTES
	RoHS and REACH compliant
VERIFIED:	Jacket meets ISO 10993 for biological compatibility
	Phthalate and halogen free
DIMENSIONS ARE IN MILLIMETERS	Function test: no open, no short, no intermittent
TOLERANCES:	DESCRIPTION:
X: $\pm 0.5$ mm	Wire, 4C TS, 24 AWG, 150V, 70C, 3.8 mm, spiral shield, TPU, gray
X.X: $\pm 0.3$ mm	
X.XX: $\pm 0.05$ mm	

<b>TENSILITY</b>	
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SIZE	PART NUMBER
A	30-00451
SCALE: 15:1	SHEET 1 OF 1