

Ratings

Temperature: -40~70 °C
Voltage: 150 V

Conductor

Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: $\varnothing 0.127 \times 65$
Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: HDPE
Color: white, black, red
Diameter: $\varnothing 1.65 \pm 0.10$ mm
Nominal thickness: 0.23 mm
Resistance at 20 °C: 100 M Ω /km min

Shield

Type: spiral
Material: tinned copper strands
Stranding: $\varnothing 0.08$ mm
Coverage: 90 % min

Outer jacket

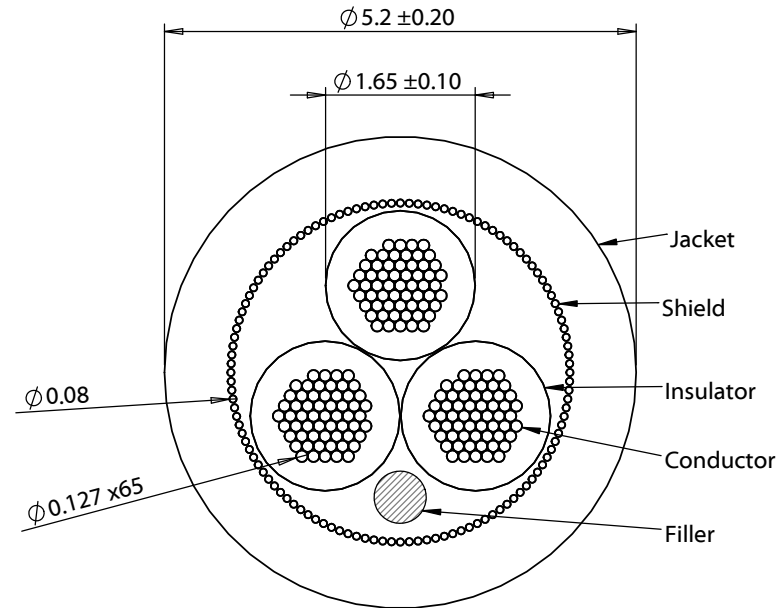
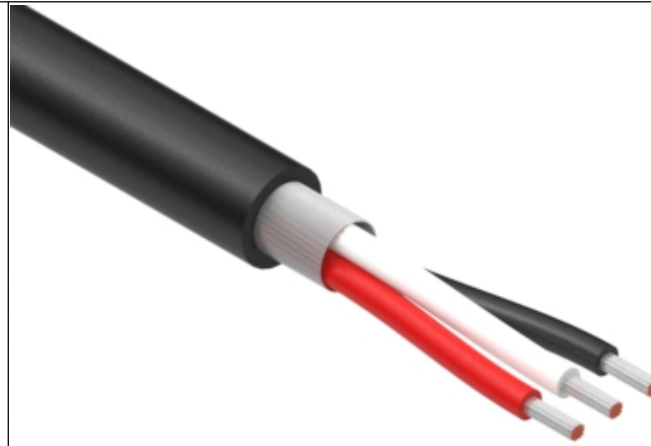
Material: TPU
Color: black
Nominal thickness: 0.70 mm
Diameter: $\varnothing 5.2 \pm 0.20$ mm

Filler

Material: aramid fiber

Tests

Tensile strength: 35.7 kgf min
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	3/24/2021	Initial release

Prepared:	<small>Digitally signed by AW Date: 2021.03.24 12:58:48 -07'00'</small>
AW	
Verified:	<small>Digitally signed by AG Date: 2021.04.02 11:31:56 -07'00'</small>
AG	
Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	

Notes:
RoHS compliant Jacket meets ISO 10993 Biological Compatibility Phthalate and halogen free Function test: no open, no short, no intermittent
Description:
Wire, 3C TS, 18 AWG, 150V, 70C, 5.2 mm, shielded, TPU, 75A, WBL

TENSILITY

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Size:	Part number:
A	30-01861
Scale: 12:1	
Sheet 1 of 1	