

Ratings

Voltage: 300 V
Temperature: -5 ~ 80 °C

Conductor

Gauge: 24 AWG
Material: bare copper strands
Strand size: $\varnothing 0.16$ mm
Strand count: 11

Insulator

Material: PVC, 80 °C
Color: red, black
Outer diameter: 1.0 ± 0.05 mm
Durometer: 94 Shore A

Shield

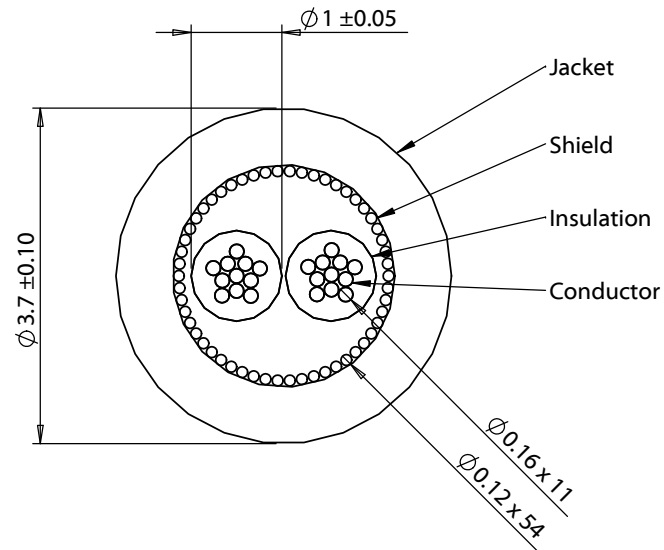
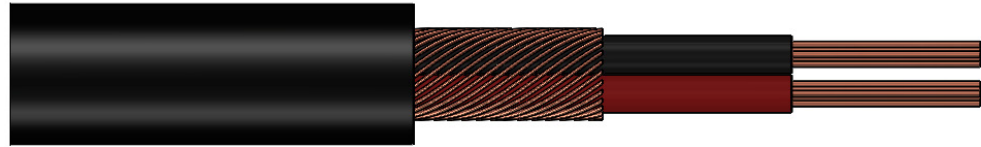
Type: spiral
Material: bare copper strands
Strand size: $\varnothing 0.12$ mm
Strand count: 54

Outer jacket

Material: PVC, 80 °C
Durometer: 76 Shore A
Color: black
Diameter: 3.7 ± 0.10 mm

Tests

Voltage test: 300 V
Spark test: 3.0/2.5 kV
Max resistance at 20 °C: 87.5 ohm/km
Tensile strength: 1.05 kgf/mm²
After aging at 100 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
Heat shock: 121 $\pm$ 1 °C /1 hour, no observed degradation
Deformation: 121 $\pm$ 1 °C /1 hour, $\leq$ 50 %
Cold bend: -10 $\pm$ 1 °C /1 hour, no observed cracking



REVISION	DATE	DESCRIPTION
A	3/11/2011	Initial release
A1	4/20/2011	Updated part description
A2	8/13/2012	Added operating temperature

PREPARED:

NOTES:

RoHS and REACH compliant

VERIFIED:

Electrical test: no open, no short circuit, no intermittent

DIMENSIONS ARE IN
MILLIMETERSTOLERANCES:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

DESCRIPTION:

Wire, 2C BC, 24 AWG, 300V, 80C, 3.7 mm, shielded,
PVC, 76A**TENSILITY**

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Bend, OR 97701 USA

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SIZE
APART NUMBER
30-00005

SCALE: 12:1

WEIGHT:

SHEET 1 OF 1