

Ratings

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

Conductor

Gauge: 24 AWG
Material: bare copper strands
Strand size: Ø 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

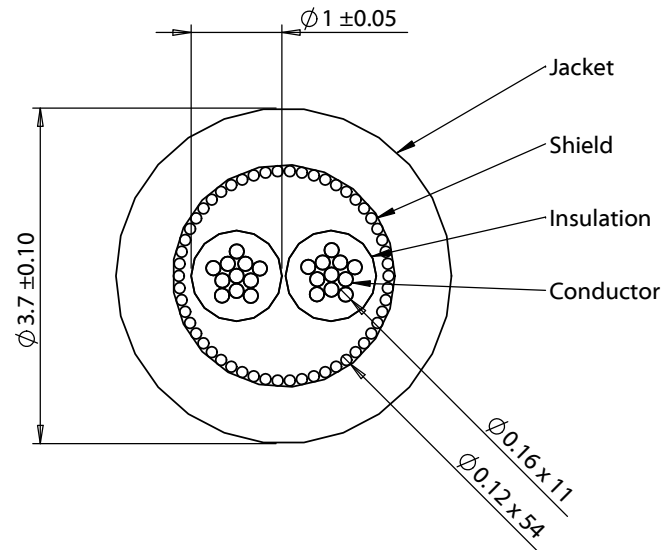
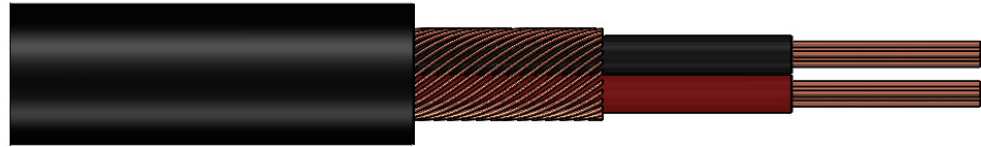
Type: spiral
Material: bare copper strands
Strand size: Ø 0.12 mm
Strand count: 54

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 ±1 °C /1 hour, no observed degradation
Deformation: 121 ±1 °C /1 hour, ≤ 50 %
Cold bend: -10 ±1 °C /1 hour, no observed cracking



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES: RoHS and REACH compliant Electrical test: no open, no short circuit, no intermittent	TENSILITY 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com			
A	3/11/2011	Initial release						
A1	4/20/2011	Updated part description	VERIFIED:	DESCRIPTION: Wire, 2C BC, 24 AWG, 300V, 80C, 3.7 mm, shielded, PVC, 76A	SIZE A		PART NUMBER 30-00005	
A2	8/13/2012	Added operating temperature			SCALE: 12:1		WEIGHT:	SHEET 1 OF 1
			DIMENSIONS ARE IN MILLIMETERS					
			TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm					