

Ratings
 Voltage: 300 V
 Temperature: -20 ~ 80 °C

Conductor
 Gauge: 18 AWG
 Material: bare copper strands
 Strand size: \varnothing 0.16 mm
 Strand count: 41

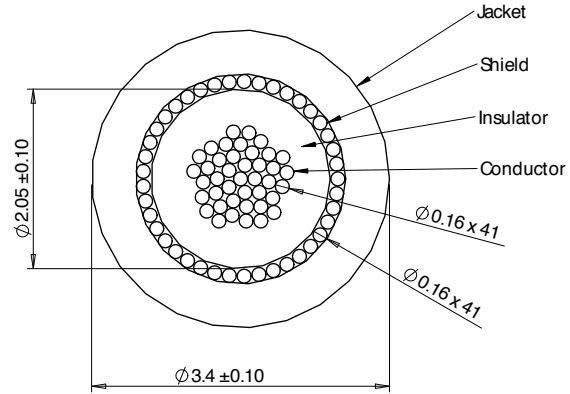
Insulator
 Material: PVC, 80 °C
 Color: white
 Outer diameter: 2.05 ± 0.10 mm
 Durometer: 85 Shore A

Shield
 Type: spiral
 Material: tinned copper strands
 Strand size: \varnothing 0.16 mm
 Strand count: 41

Outer jacket
 Material: PVC, 80 °C
 Durometer: 79 Shore A
 Color: black
 Thickness: 0.38 mm
 Diameter: 3.4 ± 0.10 mm

Wire marking: E339579 AWM STYLE 1185 18AWG 80°C
 300V VW-1 - - - C AWM I A 80°C 300V FT1 TENSILITY

Tests
 Voltage test: 300 V
 Spark test: 3.0/4.0 kV
 Max resistance at 20 °C: 23.2 ohm/km
 Tensile strength: 1.05 kgf/mm²
 After aging at 113 \pm 2 °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
 Flammability: VW-1
 Dielectric test: 2000 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES:	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com</p>		
A	10/15/2010	Initial release		RoHS and REACH compliant			
A1	8/13/2012	Added operating temperature	VERIFIED:	Electrical test: no open, no short circuit, no intermittent			
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION:	SIZE	PART NUMBER	
			TOLERANCES: X: \pm 0.5 mm XX: \pm 0.3 mm XXX: \pm 0.05 mm	Wire, 1C BC, 18 AWG, UL1185, 300V, 80C, 3.4 mm, shielded, VW-1, PVC, 79A	A	30-00004	
					SCALE 12:1	WEIGHT:	SHEET 1 OF 1

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