

**Ratings**

Voltage: 300 V  
 Temperature: 80 °C

**Conductor**

Gauge: 24 AWG  
 Material: tinned copper strands  
 Strand size:  $\emptyset$  0.16 mm  
 Strand count: 11

**Insulator**

Material: PVC, 80 °C  
 Color: black, white, red, yellow  
 Nominal thickness: 0.23 mm  
 Outer diameter: 1.20 mm

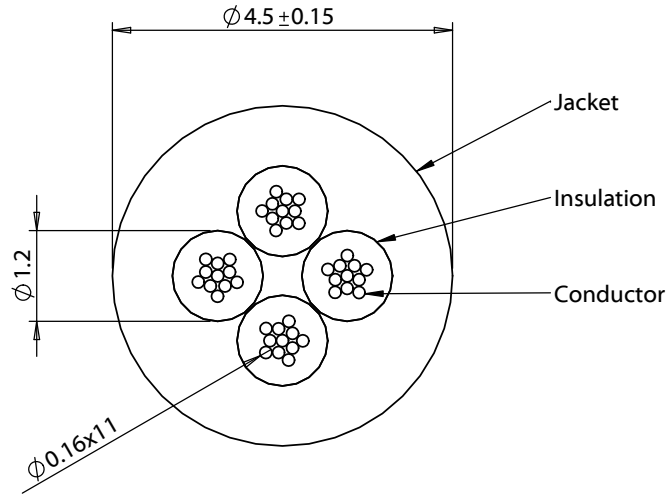
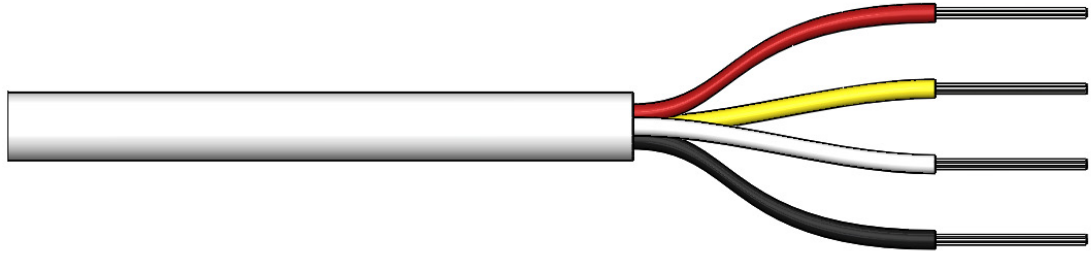
**Outer jacket**

Material: PVC, 80 °C  
 Color: white  
 Thickness: 0.76 mm  
 Diameter: 4.50  $\pm$  0.15 mm  
 Durometer: 91 Shore A

**Wire marking:** E339579  AWM STYLE 2464 24AWG 80°C 300V VW-1 --- C  AWM I A 80°C 300V FT1 LF TENSILITY HLE

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Max resistance at 20 °C: 94.2 ohm/km  
 Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 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: RoHS and REACH compliant	<b>TENSILITY</b>		
A	06/26/2014	Initial release	VERIFIED:			Electrical test: no open, no short circuit, no intermittent	
			DIMENSIONS ARE IN MILLIMETERS				
			TOLERANCES: X: $\pm$ 0.5 mm X.X: $\pm$ 0.3 mm X.XX: $\pm$ 0.05 mm	DESCRIPTION: Wire, 4C TS, 24 AWG, UL2464, 300V, 80C, 4.5 mm, VW-1, PVC, 91A, white			
					SIZE A	PART NUMBER <b>30-00390</b>	
					SCALE: 10:1	WEIGHT:	SHEET 1 OF 1

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