

**Ratings**

Voltage: 30 V  
 Temperature: -10° to 80° C  
 Flammability: VW-1, FT1

**Conductor**

Conductor count: 4 (1 twisted pair, 2 single conductors)  
 Gauge: 28 AWG (1P), 26 AWG (2C)  
 Material: tinned copper strands  
 Strand size:  $\phi 0.13 \times 7$  (1P),  $\phi 0.16 \times 7$  (2C)  
 Max resistance at 20 °C: 239  $\Omega$ /km (1P), 150  $\Omega$ /km (2C)

**Insulator**

Material: HD-PE (1P), SR-PVC/35P (2C)  
 Color: white, green (1P), black, red (2C)  
 Diameter:  $\phi 0.85 \pm 0.10$  mm (1P),  $\phi 1 \pm 0.10$  mm (2C)  
 Nominal thickness: 0.22 mm (1P), 0.24 mm (2C)  
 Resistance at 20 °C: 100 M $\Omega$ /km (1P), 10 M $\Omega$ /km (2C)

**Shield**

Type: foil + braided  
 Material: aluminum mylar, tinned copper strands  
 Stranding: 16/5/  $\phi 0.10$  mm  
 Coverage: 100% (foil), 65% minimum (braid)

**Drain**

Material: tinned copper strands  
 Stranding:  $\phi 0.16 \times 7$

**Outer jacket**

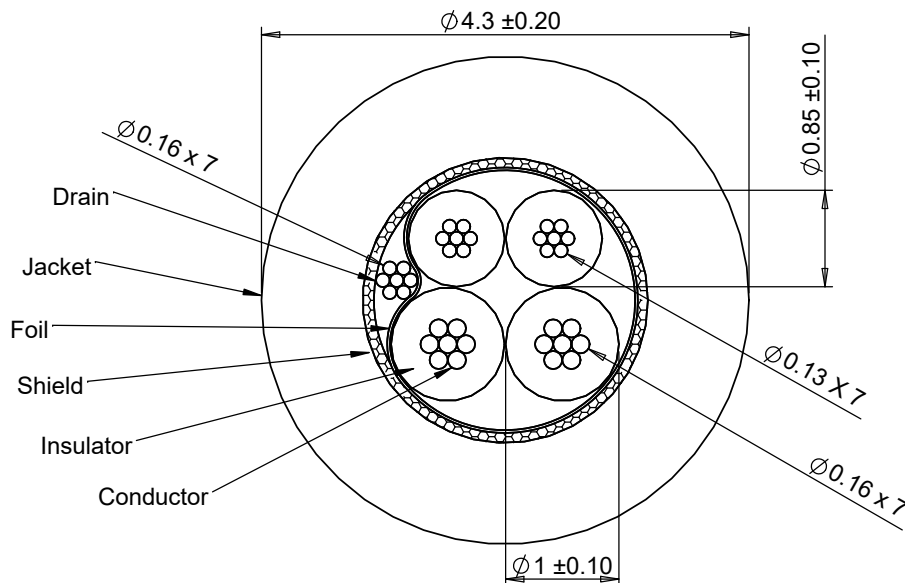
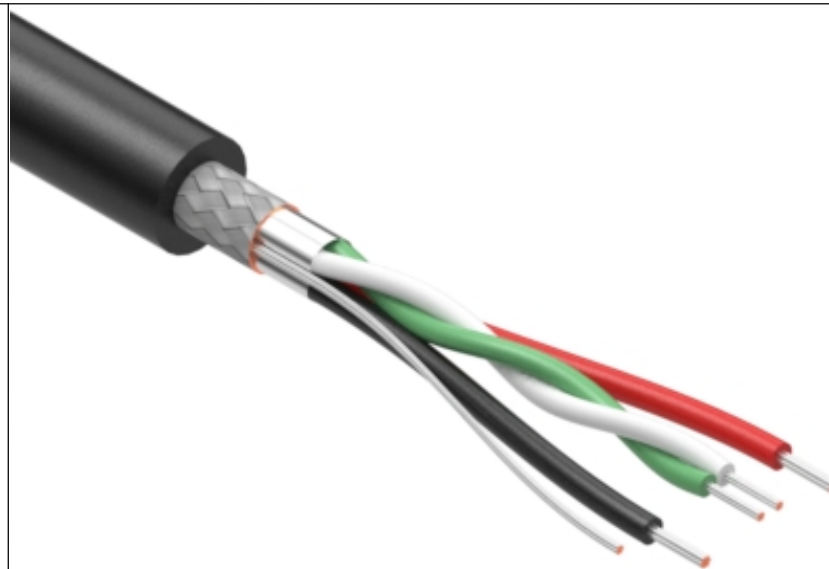
Material: PVC/79A  
 Color: black  
 Diameter:  $\phi 4.3 \pm 0.20$  mm  
 Nominal thickness: 0.90 mm

**Wire marking:** E339579 UL AWM STYLE 2725

28AWG/1P+26AWG/2C 80°C 30V VW-1 - - - cUL AWM  
 28AWG/1P+26AWG/2C I/II A 80°C 300V FT1 HIGH SPEED  
 USB 2.0 TENSILITY

**Tests**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 HD-PE Insulator tensile strength: 1.69 kgf/mm<sup>2</sup>  
 SR-PVC Insulator tensile strength: 2.11 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm 2$  °C for 7 days:  
 Minimum jacket tensile strength 70 % original  
 Minimum jacket elongation 65 % original  
 Minimum HD-PE insulator tensile strength 75 % original  
 Minimum HD-PE insulator elongation 75 % original  
 Minimum SR-PVC insulator tensile strength 70 % original  
 Minimum SR-PVC insulator elongation 70 % original  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °C /4 hour, no observed cracking  
 Dielectric test: 1500 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	12/22/2016	Initial release	Verified:	RoHS and REACH compliant Function 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, 1PR 28 AWG, 2C 26 AWG, UL2725, 30V, 80C, 4.3 mm, shielded, VW-1, PVC, 79A, USB 2.0	Size: A Part number: 30-00872
					Scale: 15:1  Sheet 1 of 1