

Ratings
Voltage: 300 V
Temperature
 Static: -40~105 °C
 Dynamic: -20 ~ 105 °C
Flammability: VW-1
Water resistant: 75 °C
Oil resistant: 60 °C (jacket)
 ≥50% elongation and tensile strength after aging
UV resistance: jacket, 720 hours xenon or carbon arc exposure
 ≥80% tensile strength and elongation after aging

Conductor
Conductor count: 5
Gauge: 24 AWG 0.21 mm²
Material: tinned copper strands
Strand size: Ø 0.08 mm x 41
Resistance at 20 °C: 94.2 Ω /km max

Insulator
Material: PVC
Color: red, black, white, yellow, blue
Diameter: Ø1.4 ± 0.1 mm
Nominal thickness: 0.38 mm
Resistance at 20 °C: 10 MΩ /km min

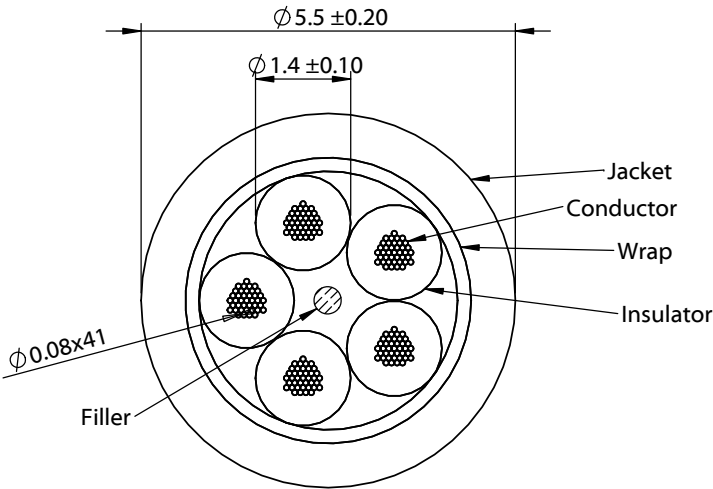
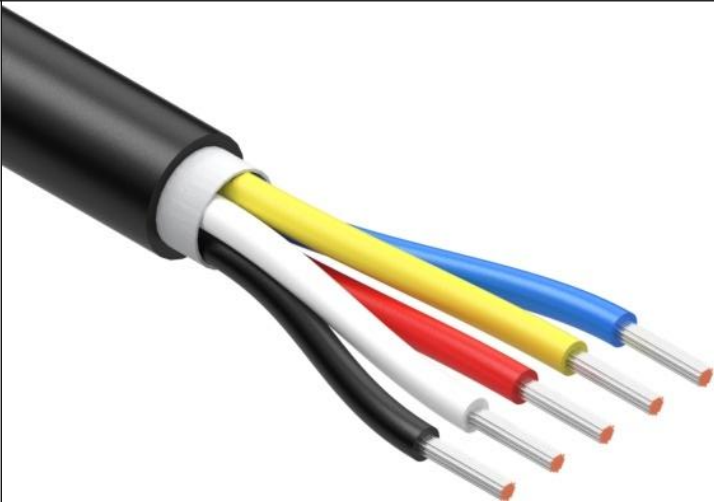
Wrap
Material: cotton paper

Filler
Material: cotton rope

Outer jacket
Material: TPU (Polyether Polyurethane) 85A
Color: black
Diameter: Ø 5.5 ± 0.2 mm
Nominal thickness: 0.76 mm

Wire marking:
E339579 UL AWM STYLE 21765 24AWG 105°C 300V VW-1 --- cUL
AWM II A 105°C 300V FT1 TENSILITY

Use: External wiring



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	3/24/2023	Initial release	Verified:	Function: no open, no short circuit, no intermittent			
			Dimensions are in millimeters.	Description:	Size:	Part number:	
			Tolerances:	Wire, 5C TS, 24 AWG, UL21765, 300V, 105C, 60C oil, UV, 5.5 mm, VW-1, TPU	A	30-03087	
			X: ± 0.5 mm		Scale: 9:1		Sheet 1 of 1
			X.X: ± 0.3 mm				
			X.XX: ± 0.05 mm				