

Ratings
Voltage: 300 V
Temperature: -20~80°C
Flammability: VW-1

Conductor
Conductor count: 5
Gauge: 18 AWG 0.83 mm²
Material: tinned copper strands
Strand size: Ø 0.08 mm x 165
Resistance at 20 °C: 23.2 Ω/km max

Insulator
Material: PVC
Color: red, black, white, yellow, blue
Diameter: Ø 1.8 ± 0.1 mm
Nominal thickness: 0.29 mm
Tensile strength: 2.11 kgf/mm² min
Resistance at 20 °C: 10 MΩ/km min

Drain
Stranding: Ø 0.08 mm x 165, 18 AWG

Filler
Material: cotton rope

Shield
Type: braid + foil
Material: aluminum mylar, tinned copper strands
Coverage: 65% minimum

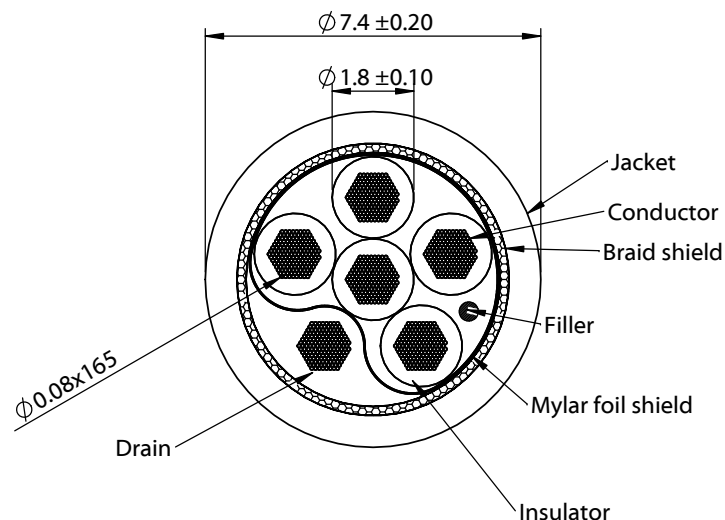
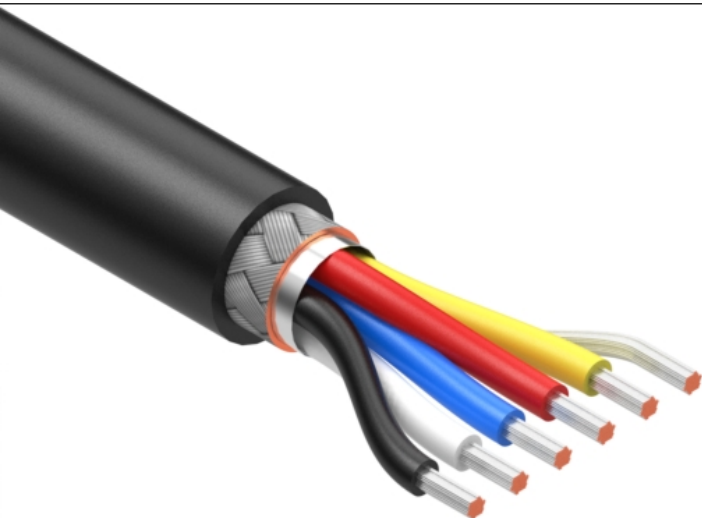
Outer jacket
Material: PVC
Color: black
Diameter: Ø 7.4 ± 0.20 mm
Nominal thickness: 0.9 mm
Tensile strength: 1.05 kgf/mm² min

Wire marking:
E339579 UL AWM STYLE 2464 18 AWG 80°C 300V VW-1 --- cUL AWM I/II
A 80°C 300V FT1 TENSILITY

Tests
Spark test: 3.0 kV
After aging at 113 ± 2 °C for 7 days:
Minimum tensile strength 70 % original
Minimum elongation 65 % original

Use: Internal wiring or external interconnection of electronic equipment.

Flex operation:
10 million cycles min in dynamic bend radius conditions
Bend radius
Static: 8 times the outer diameter (59.2 mm)
Dynamic: 12 times the outer diameter (88.8 mm)



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	05/23/2023	Initial release	Verified:				
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-03221		
				Description: Wire, 5C, TS, 18 AWG, UL2464, cont flex, 300V, 80C, 7.4 mm, VW-1, PVC	Scale: 6:1		Sheet 1 of 1