

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

Conductor
Conductor count: 3
Gauge: 20 AWG 0.53 mm²
Material: tinned copper strands
Strand size: Ø 0.08 mm x 105
Resistance at 20 °C: 36.7 Ω/km max

Insulator
Material: PVC
Color: red, black, white
Diameter: Ø 1.5 ± 0.1mm
Nominal thickness: 0.26 mm
Tensile strength: 2.11 kgf/mm² min
Resistance at 20 °C: 10 MΩ/km min

Drain
Stranding: Ø 0.08 mm x 105, 20 AWG

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

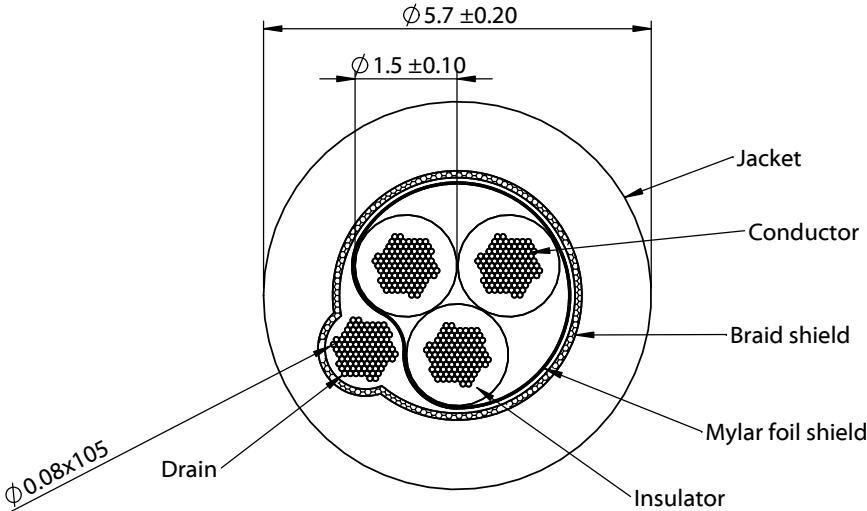
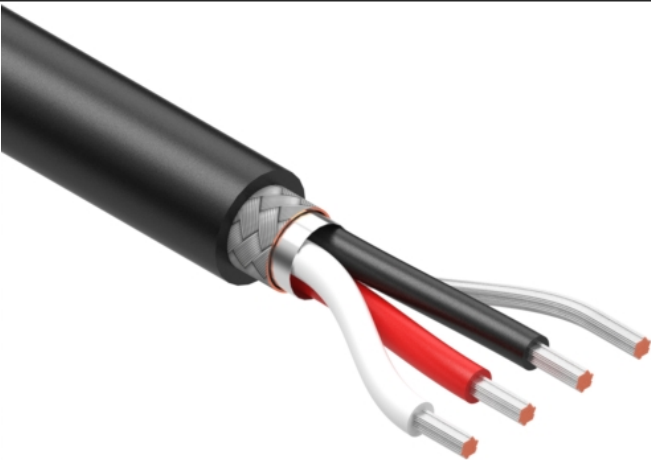
Outer jacket
Material: PVC
Color: black
Diameter: Ø5.7 ± 0.2 mm
Nominal thickness: 0.9 mm
Tensile strength: 1.05 kgf/mm² min

Wire marking:
E339579 UL AWM STYLE 2464 20 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 (45.6 mm)
Dynamic: 12 times the outer diameter (68.4 mm)



Revision:	Date:	Description:
A	05/17/2023	Initial release

Prepared: RR	Digitally signed by RR Date: 2024.07.18 16:06:32 -07'00'
Verified: AL	Digitally signed by AL Date: 2024.07.22 17:30:29 -07'00'
Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	

Notes: RoHS compliant
Function test: no open, no short circuit, no intermittent
Description: Wire, 3C, TS, 20 AWG, UL2464, cont flex, 300V, 80C, 5.7 mm, VW-1, PVC

TENSILITY			
tel	1.541.323.3228	800	877.670.7118
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Size: A	Part number: 30-03208		
Scale: 9:1		Sheet 1 of 1	