

**Ratings**

Voltage: 300 V  
Temperature: -25 to 80 °C  
Flammability: VW-1

**Conductor**

Conductor count: 6  
Gauge: 18 AWG 0.82 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size: Ø 0.16 mm x 41

**Insulator**

Material: PVC  
Color: green, blue, yellow, white, black, red  
Diameter: Ø 1.8 ± 0.10 mm  
Nominal thickness: 0.38 mm

**Drain**

Stranding: Ø 0.16 mm x 41, 18 AWG

**Shield**

Type: foil + braided  
Material: aluminum mylar, tinned copper strands  
Stranding: Ø 0.127 mm  
Coverage: 80% minimum

**Outer jacket**

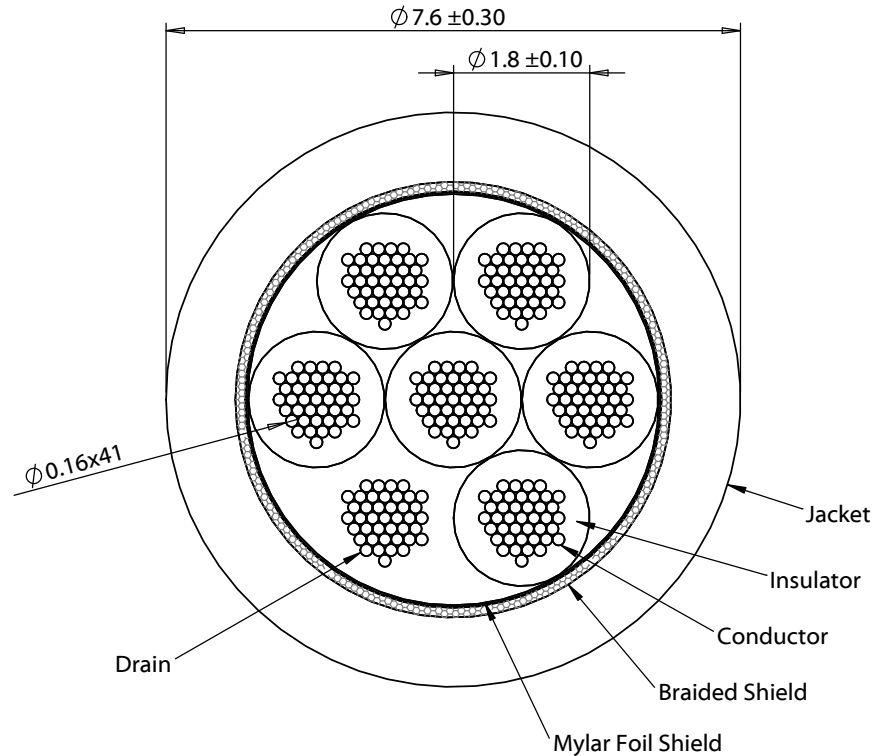
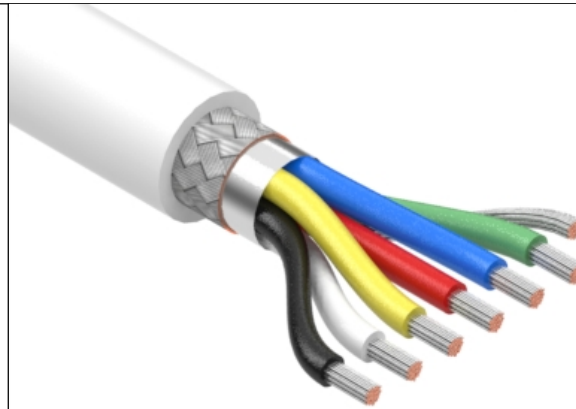
Material: PVC, 80A  
Color: white  
Diameter: Ø 7.6 ± 0.30 mm  
Nominal thickness: 0.8 mm

**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**

Voltage test: 300 V  
Spark test: 3.0 kV  
Max resistance at 20 °C: 23.2 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 ± 2 °C for 7 days:  
    Minimum tensile strength 70 % original  
    Minimum elongation 65 % original  
Heat shock: 121 ± 1 °C / 1 hour, no observed degradation  
Deformation: 121 ± 1 °C / 1 hour, ≤ 50 %  
Cold bend: -10 ± 2 °C / 1 hour, no observed cracking  
Dielectric test: 2000 Vac for 1 minute without breakdown

**Use:** Internal wiring or external interconnection of electronic equipment.



Revision:	Date:	Description:
A	04/04/2018	Initial release

Prepared: **RS**  
Digitally signed by RS  
Date: 2018.04.11  
16:28:34 -07'00'

Verified: **AW**  
Digitally signed by AW  
Date: 2018.04.17  
12:00:21 -07'00'

Dimensions are in millimeters.  
Tolerances:  
X: ± 0.5 mm  
X.X: ± 0.3 mm  
X.XX: ± 0.05 mm

Notes:  
RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:  
Wire, 6C TS, 18 AWG, UL2464, 300V, 80C, 7.6 mm, shielded, VW-1, PVC, white

**TENSILITY**

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Size: A Part number: 30-01050

Scale: 10:1 Sheet 1 of 1