

**Ratings**

Temperature: -25~80°C  
 Flammability: FT2

**Twisted Pair (4PR)**

Voltage: 30 V  
 Gauge: 28 AWG 0.09 mm<sup>2</sup>  
 Color: green/white, blue/white, orange/white, brown/white  
 Conductor: tinned copper strands,  $\phi 0.127 \times 7$   
 Conductor resistance at 20 °C: 239  $\Omega$  /km max  
 Insulation  
 Material: foamed PE  
 Diameter:  $\phi 0.85 \pm 0.1$   
 Thickness: 0.23 mm nominal  
 Resistance at 20 °C: 10 M $\Omega$  /km min  
 Twisted pair characteristic impedance: 100  $\Omega$

**Power Wire (2C)**

Voltage: 300 V  
 Gauge: 22 AWG 0.35 mm<sup>2</sup>  
 Color: red (power), black (ground)  
 Conductor: tinned copper strands,  $\phi 0.127 \times 26$   
 Conductor resistance at 20 °C: 59.4  $\Omega$  /km max  
 Insulation  
 Material: SR-PVC, 90A  
 Diameter:  $\phi 1.35 \pm 0.1$   
 Thickness: 0.3 mm nominal  
 Resistance at 20 °C: 10 M $\Omega$  /km min

**Power marking:** E339579 UL AWM STYLE 1061 80°C 300V --- cUL AWM I A 80°C 300V FT2 TENSILITY

**Shield**

Type: aluminium mylar + tinned copper braid  
 Stranding:  $\phi 0.08$   
 Coverage: 65% min braid, 100% foil

**Drain**

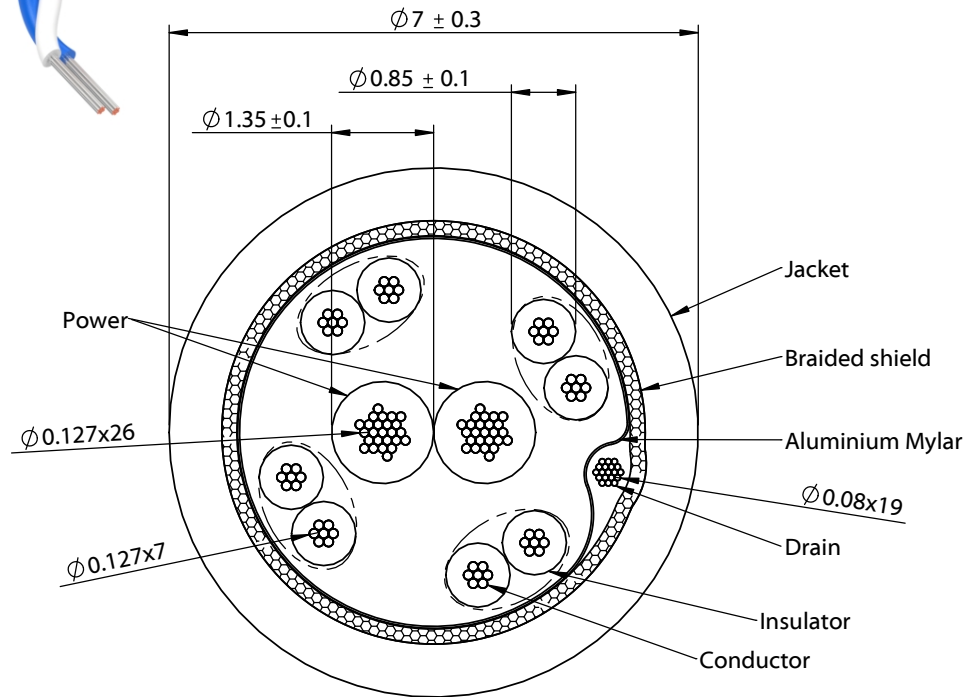
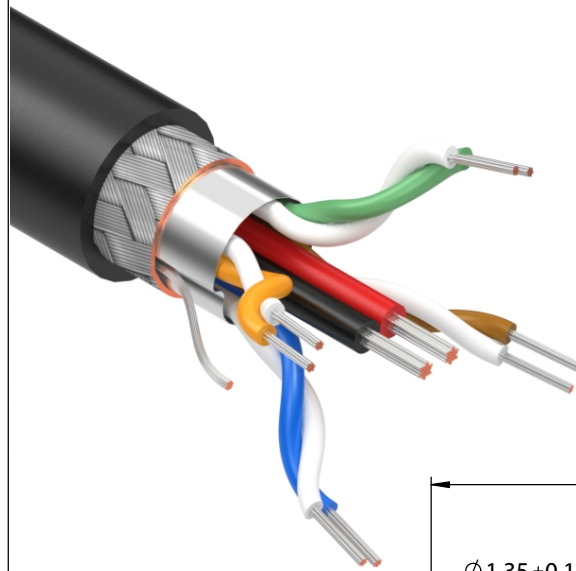
Stranding:  $\phi 0.08 \times 19$   
 Material: tinned copper strands

**Outer jacket**

Material: PVC, 79A  
 Color: black  
 Style: round  
 Diameter:  $\phi 7 \pm 0.3$   
 Nominal thickness: 0.9 mm

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

28AWG/4P+22AWG/2C 80°C 30V --- cUL AWM I/II A 80°C 30V FT2 TENSILITY



Revision:	Date:	Description:
A	2/28/22	Initial release

Prepared: JD  
Digitally signed by JD  
 Date: 2023.04.25  
 12:02:12 -07'00'

Verified: PB  
Digitally signed by PB  
 Date: 2023.04.25  
 13:02:03 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

Notes:  
 RoHS compliant

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

Description:  
 Wire, 4PR TS 28 AWG, 2C TS 22 AWG, UL2725, 30V, 80C, 7 mm, shielded, FT2, PVC

**TENSILITY**

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Size: A Part number: 30-02488

Scale: 10:1 Sheet 1 of 1