

Ratings

Voltage: 60 V

Temperature: -50 ~ 125 °C

Conductor

Conductor count: 2

Gauge: 12 AWG 3.31 mm²

Material: tinned copper strands

Strand size: $\varnothing 0.47$ (x19) mmResistance at 20 °C: 5.64 Ω /km max**Insulator**

Material: XLPE

Color: black, red

Diameter: $\varnothing 3.2 \pm 0.15$ mm

Nominal thickness: 0.39 mm

Resistance at 20 °C: 0.75 M Ω /km min**Filler**

Material: cotton rope

Wrap

Material: PET

Outer jacket

Material: XLPE

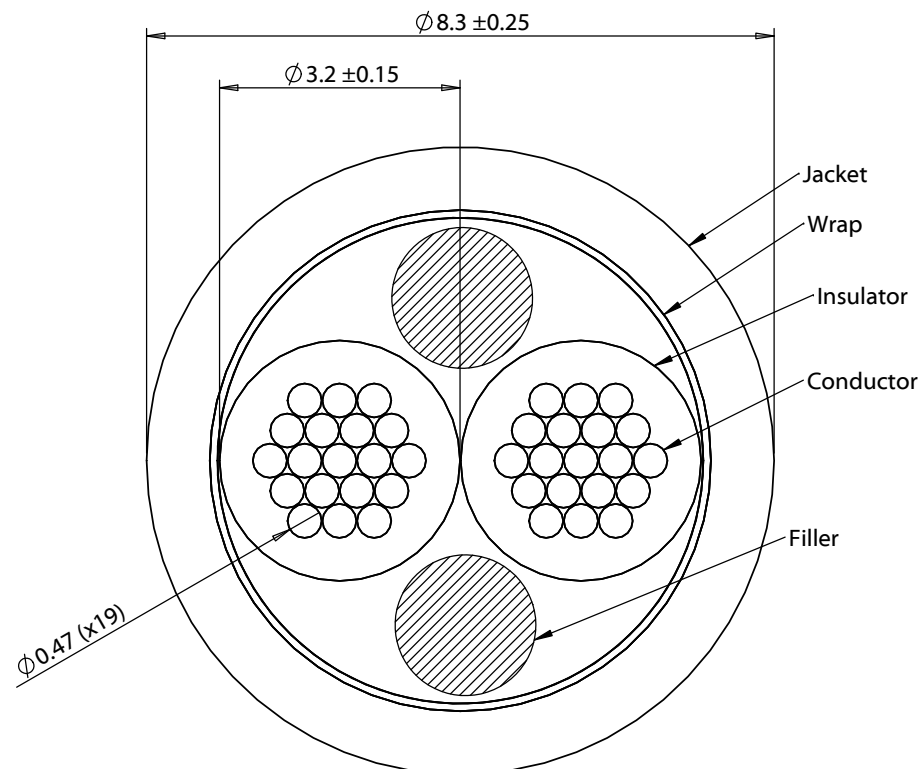
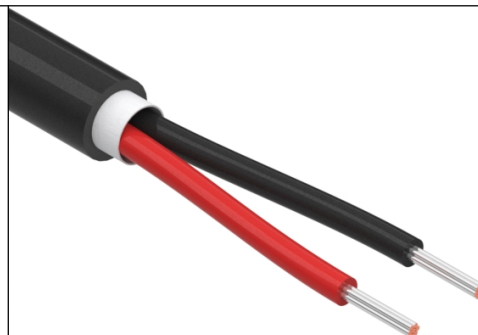
Color: Black

Diameter: $\varnothing 8.3 \pm 0.25$ mm

Nominal thickness: 0.90 mm

Wire marking: Tensility 12 AWG, TXL, 60V, 125C, XLPE**Meets or exceeds the following standards:**

SAE J1128 Low Voltage Primary Cable



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/21/2025	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 2C TS, 12 AWG, 60V, 125C, 8.3 mm, TXL, XLPE	Size: A	Part number: 30-03783	
					Scale: 10:1		Sheet 1 of 1

5

4

3

2

1