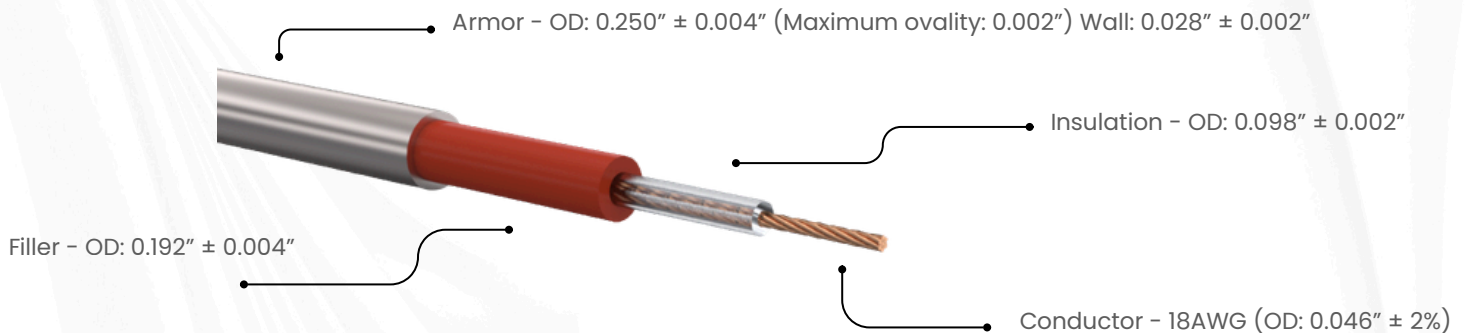


Tubing Encapsulated Cable

1/4" OD 316L

Specification Sheet



Materials

Armor (Tubing)	ASTM A240 Grade 316/316L
Conductor	ASTM B8 Class B Stranded (7/26) tin plated copper
Insulation	Ethylene Tetrafluoroethylene (ETFE) [Translucent
Filler	Clear] Polypropylene (PP) [Orange]

Mechanical Properties

Temperature Rating	-25°C to 150°C
Armor Yield Strength	Minimum 75 ksi
Armor Tensile	Minimum 90 ksi
Armor Elongation	Minimum 5%
Armor Hardness	Maximum 380 HV
Core Slip Force (2")	Maximum 20 lbf
Completed Mass	86 lb/1000 ft ($\pm$ 15%)

Electrical Specifications

	20°C	150°C
Conductor Resistance	6.7 $\pm$ 0.3 ohm/1000 ft	10.2 $\pm$ 0.3 ohm/1000 ft
Armor Resistance	18.5 $\pm$ 2.0 ohm/1000 ft	19.1 $\pm$ 2.0 ohm/1000 ft
Capacitance**	26.0 pF/ft ($\pm$ 15%)	27.5 pF/ft ($\pm$ 15%)

Mechanical Specifications

	20°C	150°C
Collapse Pressure*	23,000 psi	17,600 psi
Working Pressure*	17,250 psi	13,200 psi

