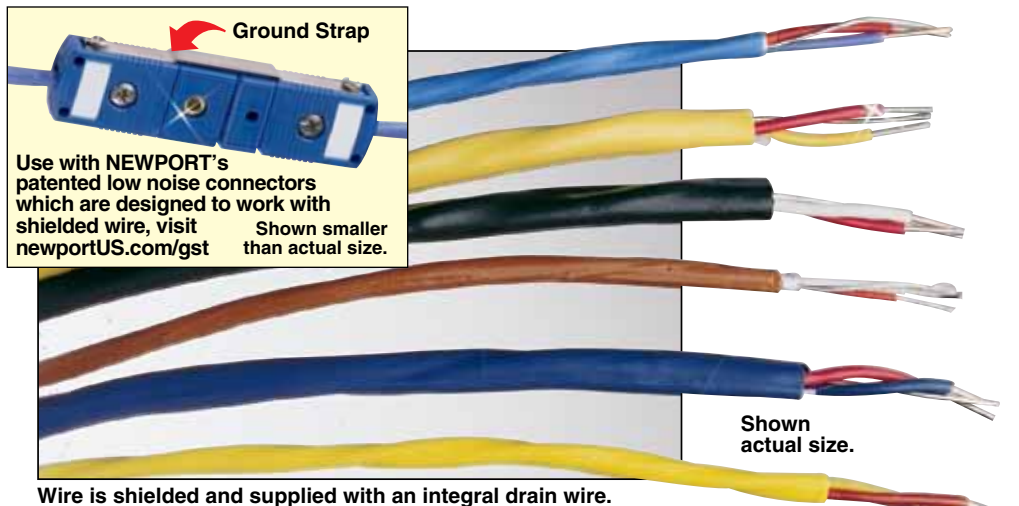


Twisted/Shielded Thermocouple Wire

- ✓ Maintains Electrical Ground from Probe Sheath to Instrument
- ✓ Polyvinyl, FEP, and PFA Insulations Available
- ✓ Complements Low Noise Thermocouple Probes and Connectors
- ✓ Extension and Thermocouple Grades
- ✓ Custom Wire Design Available
- ✓ 7.5 to 300 m (25 to 1000') Spools Available from Stock



Thermocouple Grade PFA Insulation

AWG†	Model Number ANSI Color Code	Nominal Size mm (inch)	Thermocouple Type
20	TT-J-20-TWSH	3.7 (0.15)	J
	TT-K-20-TWSH	3.7 (0.15)	K
	TT-T-20-TWSH	3.7 (0.15)	T
	TT-E-20-TWSH	3.7 (0.15)	E
20S*	TT-J-20S-TWSH	3.8 (0.15)	J
	TT-K-20S-TWSH	3.8 (0.15)	K
	TT-T-20S-TWSH	3.8 (0.15)	T
	TT-E-20S-TWSH	3.8 (0.15)	E
24	TT-J-24-TWSH	2.7 (0.11)	J
	TT-K-24-TWSH	2.7 (0.11)	K
	TT-T-24-TWSH	2.7 (0.11)	T
	TT-E-24-TWSH	2.7 (0.11)	E
24S*	TT-J-24S-TWSH	2.9 (0.12)	J
	TT-K-24S-TWSH	2.9 (0.12)	K
	TT-T-24S-TWSH	2.9 (0.12)	T
	TT-E-24S-TWSH	2.9 (0.12)	E

Thermocouple Grade FEP Insulation

AWG†	Model Number ANSI Color Code	Nominal Size mm (inch)	Thermocouple Type
20	FF-J-20-TWSH	3.7 (0.15)	J
	FF-K-20-TWSH	3.7 (0.15)	K
	FF-T-20-TWSH	3.7 (0.15)	T
	FF-E-20-TWSH	3.7 (0.15)	E
20S*	FF-J-20S-TWSH	3.8 (0.15)	J
	FF-K-20S-TWSH	3.8 (0.15)	K
	FF-T-20S-TWSH	3.8 (0.15)	T
	FF-E-20S-TWSH	3.8 (0.15)	E
24	FF-J-24-TWSH	2.7 (0.11)	J
	FF-K-24-TWSH	2.7 (0.11)	K
	FF-T-24-TWSH	2.7 (0.11)	T
	FF-E-24-TWSH	2.7 (0.11)	E
24S*	FF-J-24S-TWSH	2.9 (0.12)	J
	FF-K-24S-TWSH	2.9 (0.12)	K
	FF-T-24S-TWSH	2.9 (0.12)	T
	FF-E-24S-TWSH	2.9 (0.12)	E

Visit newportUS.com/TWSH for Pricing and Details

Extension Grade Polyvinyl Insulation

AWG†	Model Number ANSI Color Code	Nominal Size mm (inch)	Thermocouple Type
16	EXPP-J-16-TWSH	6.4 (0.250)	J
	EXPP-K-16-TWSH	6.4 (0.250)	K
	EXPP-T-16-TWSH	6.4 (0.250)	T
	EXPP-E-16-TWSH	6.4 (0.250)	E
16S*	EXPP-J-16S-TWSH	6.9 (0.270)	J
	EXPP-K-16S-TWSH	6.9 (0.270)	K
	EXPP-T-16S-TWSH	6.9 (0.270)	T
	EXPP-E-16S-TWSH	6.9 (0.270)	E
20	EXPP-J-20-TWSH	5.1 (0.200)	J
	EXPP-K-20-TWSH	5.1 (0.200)	K
	EXPP-T-20-TWSH	5.1 (0.200)	T
	EXPP-E-20-TWSH	5.1 (0.200)	E
20S*	EXPP-J-20S-TWSH	5.5 (0.215)	J
	EXPP-K-20S-TWSH	5.5 (0.215)	K
	EXPP-T-20S-TWSH	5.5 (0.215)	T
	EXPP-E-20S-TWSH	5.5 (0.215)	E

* Stranded wire. † Please visit newportUS.com/colorcodes for AWG dimensions. Extension grade wire also available in R and S calibrations. Consult Sales Department for pricing information.

Note: Minimum bending radius is 4 times the nominal diameter.

Note: Published prices are based on market value at time of printing and are subject to change due to Nickel surcharges, Chromium and precious-metal market fluctuations.

Extension Grade FEP Insulation

AWG†	Model Number ANSI Color Code	Nominal Size mm (inch)	Thermocouple Type
16	EXFF-J-16-TWSH	4.3 (0.17)	J
	EXFF-K-16-TWSH	4.3 (0.17)	K
	EXFF-T-16-TWSH	4.3 (0.17)	T
	EXFF-E-16-TWSH	4.3 (0.17)	E
16S*	EXFF-J-16S-TWSH	4.5 (0.18)	J
	EXFF-K-16S-TWSH	4.5 (0.18)	K
	EXFF-T-16S-TWSH	4.5 (0.18)	T
	EXFF-E-16S-TWSH	4.5 (0.18)	E
20	EXFF-J-20-TWSH	3.7 (0.15)	J
	EXFF-K-20-TWSH	3.7 (0.15)	K
	EXFF-T-20-TWSH	3.7 (0.15)	T
	EXFF-E-20-TWSH	3.7 (0.15)	E
20S*	EXFF-J-20S-TWSH	3.8 (0.15)	J
	EXFF-K-20S-TWSH	3.8 (0.15)	K
	EXFF-T-20S-TWSH	3.8 (0.15)	T
	EXFF-E-20S-TWSH	3.8 (0.15)	E

PFA insulation also available. Change "FF" in Model Number to "TT" Example: EXTT-J-16-TWSH Consult Sales for pricing.

†† To order special limits of error wire, add "-SLE" to model number before spool length. **Ordering Example:** FF-K-20S-TWSH-SLE-1000, 1000' of 20 gage twisted/shielded Type K Neoflon coated wire.