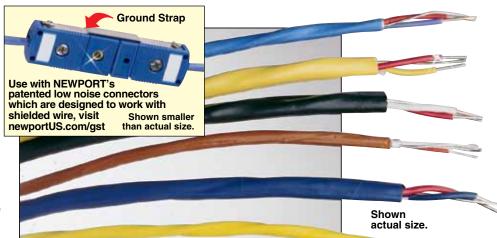
Twisted/Shielded Thermocouple Wire

- 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 1000¹)
 Spools Available from Stock



Wire is shielded and supplied with an integral drain wire.

Thermocouple Grade PFA Insulation

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

Extension Grade Polyvinyl Insulation

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

^{*} 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.

Thermocouple Grade FEP Insulation

Visit newportUS.com/TWSH for Pricing and Details

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

Extension Grade FEP Insulation

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

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

†† 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.