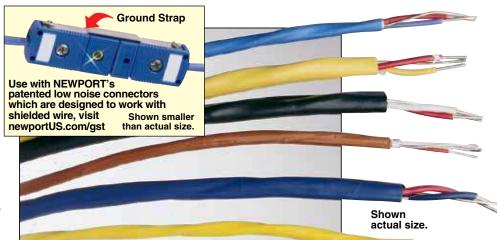
Twisted/Shielded Thermocouple Wire

- 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



Wire is shielded and supplied with an integral drain wire.

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
20\$*	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

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)	пняс	
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)	J K T E

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
20\$*	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.