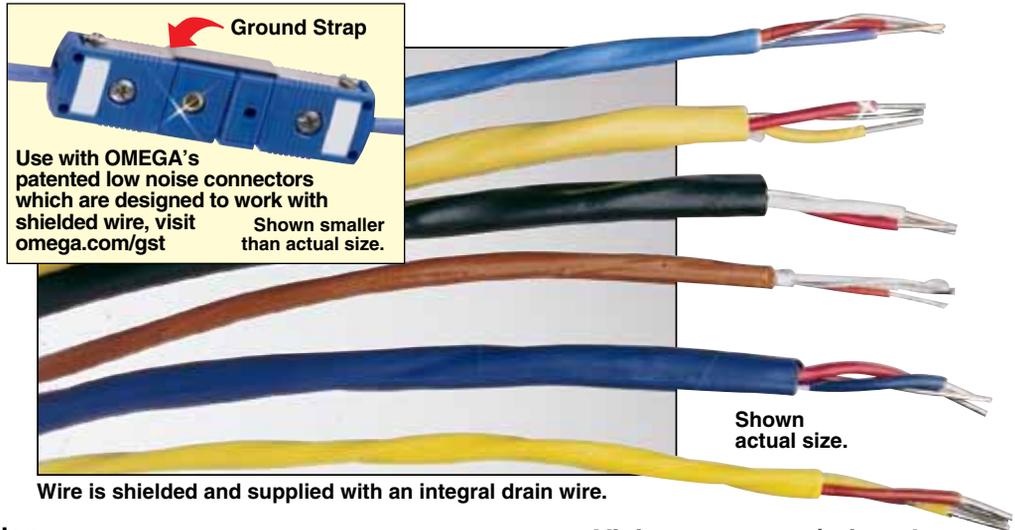


## Twisted/Shielded Thermocouple Wire

- ✓ Maintains Electrical Ground from Probe Sheath to Instrument
- ✓ Polyvinyl, FEP, and PFA Insulations Available
- ✓ Complements OMEGA® 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
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

Visit [omega.com/tt-j-twsh](http://omega.com/tt-j-twsh) for Pricing and Details

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

### 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 [omega.com/colorcodes](http://omega.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

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.

## NOTE

16 gage stranded base wire uses 16 gage stranded uninsulated drain wire.

16 gage solid base wire uses 18 gage solid uninsulated drain wire.

20 gage stranded base wire uses 22 gage stranded uninsulated drain wire.

20 gage solid base wire uses 22 gage solid uninsulated drain wire.

24 gage solid base wire uses 24 gage solid uninsulated drain wire.

24 gage stranded base wire uses 24 gage stranded uninsulated drain wire.

All stranded drain wire is 7 strands