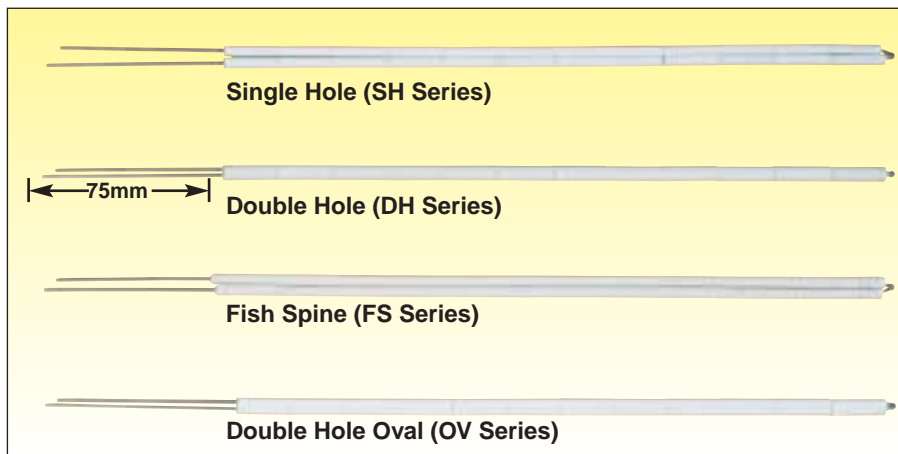


Thermocouple Elements for Head and Well Assemblies

Thermocouple Elements with Ceramic Beads

OMEGA® thermocouples are precise temperature measuring elements made of the highest grade materials available. They are carefully assembled according to the highest standards set by the industry. OMEGA's thermocouples are checked against standard temperature-millivolt curves to assure calibration accuracy and must match accepted performance curves which set the standard IEC accuracy limits.



Iron-Constantan (J), CHROMEGLA™-ALOMEGA™ (K), Copper-Constantan (T) and CHROMEGLA™-Constantan (E) Thermocouple Wire

Base Metal Thermocouples (300mm Long plus 75mm Leads Standard)														
Type of Element	AWG Wire Size	Insulator Used	Type J Iron-Constantan	Price 300 mm	Price Add'l 150mm or Fraction	Type K CHROMEGLA™-ALOMEGA™	Price 300 L	Price Add'l 150m or Fraction	Type T Copper-Constantan	Price 300 L	Price Add'l 150mm or Fraction	Type E CHROMEGLA™-Constantan	Price 300 L	Price Add'l 150 mm or Fraction
Bare Wires (No Insulators)	8	None	Bare-8-J-12	£7.40	£2.50	Bare-8-K-12	£8.20	£2.50	Bare-8-T-12	£7.40	£2.50	Bare-8-E-12	£8.20	£2.50
	14		Bare-14-J-12	6.60	1.65	Bare-14-K-12	6.60	1.65	Bare-14-T-12	6.60	1.65	Bare-14-E-12	6.60	1.65
	20		Bare-20-J-12	4.90	1.65	Bare-20-K-12	4.90	1.65	Bare-20-T-12	4.90	1.65	Bare-20-E-12	4.90	1.65
	24		Bare-24-J-12	4.90	1.65	Bare-24-K-12	4.90	1.65	Bare-24-T-12	4.90	1.65	Bare-24-E-12	4.90	1.65
With Single Hole Round Insulators	8	SH-1-8	SH-1-8-J-12	15.50	2.50	SH-1-8-K-12	15.50	2.50	SH-1-8-T-12	15.50	2.50	SH-1-8-E-12	15.50	2.50
	14	SH-1-14	SH-1-14-J-12	14.00	2.50	SH-1-14-K-12	14.00	2.50	SH-1-14-T-12	14.00	2.50	SH-1-14-E-12	14.00	2.50
	20	SH-1-20	SH-1-20-J-12	12.25	2.50	SH-1-20-K-12	12.25	2.50	SH-1-20-T-12	12.25	2.50	SH-1-20-E-12	12.25	2.50
	24	SH-1-24	SH-1-24-J-12	12.25	2.50	SH-1-24-K-12	12.25	2.50	SH-1-24-T-12	12.25	2.50	SH-1-24-E-12	12.25	2.50
With Double Hole Round Insulators	8	DH-1-8	DH-1-8-J-12	15.50	2.50	DH-1-8-K-12	15.50	2.50	DH-1-8-T-12	15.50	2.50	DH-1-8-E-12	15.50	2.50
	14	DH-1-14	DH-1-14-J-12	14.00	2.50	DH-1-14-K-12	14.00	2.50	DH-1-14-T-12	14.00	2.50	DH-1-14-E-12	14.00	2.50
	20	DH-1-20	DH-1-20-J-12	12.25	2.50	DH-1-20-K-12	12.25	2.50	DH-1-20-T-12	12.25	2.50	DH-1-20-E-12	12.25	2.50
	24	DH-1-24	DH-1-24-J-12	12.25	2.50	DH-1-24-K-12	12.25	2.50	DH-1-24-T-12	12.25	2.50	DH-1-24-E-12	12.25	2.50
With Single Hole Fish-Spine Insulators	8	FS-260-8	FS-260-8-J-12	13.00	2.50	FS-260-8-K-12	13.00	2.50	FS-260-8-T-12	13.00	2.50	FS-260-8-E-12	13.00	2.50
	14	FS-200-14	FS-200-14-J-12	12.25	2.50	FS-200-14-K-12	12.25	2.50	FS-200-14-T-12	12.25	2.50	FS-200-14-E-12	12.25	2.50
	20	FS-110-20	FS-110-20-J-12	12.25	2.50	FS-110-20-K-12	12.25	2.50	FS-110-20-T-12	12.25	2.50	FS-110-20-E-12	12.25	2.50
With Double Hole Oval Insulators	8	OV-1-8	OV-1-8-J-12	15.50	2.50	OV-1-8-K-12	15.50	2.50	OV-1-8-T-12	15.50	2.50	OV-1-8-E-12	15.50	2.50
	14	OV-1-14	OV-1-14-J-12	14.00	2.50	OV-1-14-K-12	14.00	2.50	OV-1-14-T-12	14.00	2.50	OV-1-4-E-12	14.00	2.50
	20	OV-1-20	OV-1-20-J-12	12.25	2.50	OV-1-20-K-12	12.25	2.50	OV-1-20-T-12	12.25	2.50	OV-1-20-E-12	12.25	2.50

Optional lengths available. Consult Sales.

Insulator Dimensional Chart

AWG Wire Size	Single Hole (SH)		Double Hole (DH)		Fish Spine (FS)		Double Hole Oval (OV)	
	SH O.D. (Indv'l)	Well I.D.*	DH O.D.	Well I.D.*	FS O.D. (Indv'l)	Well I.D.*	DH O.D.	Well I.D.*
8	6.4	13.4	11.9	12.4	6.6	13.9	11.9	12.4
14	4.8	10.2	7.1	7.6	5.1	10.8	8	8.5
20	3.2	7	4	4.5	2.8	6.3	4.4	4.9
24	1.6	3.8	3.2	3.7	-	-	-	-

Insulation Temperature Ratings*	
XC	1200°C
SH	1600°C
DH	1600°C
FS	1200°C
OV	1600°C

*Insulation only. Check operating limits of wire

*Recommended minimum well, tube or hole ID. All dimensions in mm.