

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

HEATSENSE SPECIFICATION DATA SHEET

CABLE TYPE

PFA INSULATED / SHEATHED THERMOCOUPLE CABLES


GENERAL DESCRIPTION


THERMOCOUPLE, EXTENSION AND COMPENSATING CABLES FOR USE OVER WIDE TEMPERATURE RANGE AS A FLEXIBLE, COMPARATIVELY LOW DIAMETER CABLE IN AUTOCLAVE, LABORATORY, STERILISER APPLIANCES AND ELECTRICAL EQUIPMENT APPLICATIONS, UTILIZING VARIOUS CONSTRUCTIONS.


RELEVANT STANDARDS


IEC 60584/2, ANSI MC96.1, ASTM E230
IEC 60584/3, ANSI MC96.1, ASTM E230

THERMOCOUPLE
EXTENSION/COMPENSATING

TWISTED PAIR -75°C to +260°C										
Construction	Conductor Size	Approximate Equivalent AWG	Core Diameter	Cable Diameter	Available Standards*					Part Number
					K	T	J	N	E	
	01/0.200mm	32	0.50	1.00	✓	✓	✓	✓	✓	
	01/0.300mm	28	0.60	1.20	✓	✓	✓	✓	✓	
	01/0.500mm	24	0.80	1.60	✓	✓	✓	✓	✓	
	07/0.200mm	24	0.90	1.80	✓	✓	✓	✓	✓	
	13/0.200mm	22	1.13	2.26	✓	✓	✓	✓	✓	

TWISTED PAIR, SHEATHED -75°C to +260°C										
Construction	Conductor Size	Approximate Equivalent AWG	Core Diameter	Cable Diameter	Available Standards*					Part Number
					K	T	J	N	E	
	01/0.200mm	32	0.50	1.40	✓	✓	✓	✓	✓	
	01/0.300mm	28	0.60	1.60	✓	✓	✓	✓	✓	
	01/0.500mm	24	0.80	2.00	✓	✓	✓	✓	✓	
	07/0.200mm	24	0.90	2.20	✓	✓	✓	✓	✓	
	13/0.200mm	22	1.13	2.66	✓	✓	✓	✓	✓	

TWISTED PAIR, SCREENED AND SHEATHED -75°C to +260°C										
Construction	Conductor Size	Approximate Equivalent AWG	Core Diameter	Cable Diameter	Available Standards*					Part Number
					K	T	J	N	E	
	01/0.200mm	32	0.50	1.85	✓	✓	✓	✓	✓	
	01/0.300mm	28	0.60	2.05	✓	✓	✓	✓	✓	
	01/0.500mm	24	0.80	2.45	✓	✓	✓	✓	✓	
	07/0.200mm	24	0.90	2.75	✓	✓	✓	✓	✓	
	13/0.200mm	22	1.13	3.21	✓	✓	✓	✓	✓	

FLAT TWIN -75°C to +260°C										
Construction	Conductor Size	Approximate Equivalent AWG	Core Diameter	Cable Diameter	Available Standards*					Part Number
					K	T	J	N	E	
	01/0.200mm	32	0.50	1.40 x 0.90	✓	✓	✓	✓	✓	
	01/0.300mm	28	0.60	1.60 x 1.00	✓	✓	✓	✓	✓	
	01/0.500mm	24	0.80	2.00 x 1.20	✓	✓	✓	✓	✓	
	07/0.200mm	24	0.90	2.20 x 1.30	✓	✓	✓	✓	✓	
	13/0.200mm	22	1.13	2.66 x 1.53	✓	✓	✓	✓	✓	

*Above are just a standard selection of TH, EX & CO cables. Heatsense can offer all thermocouple types in any country code colours, please contact our sales office for any requirement.

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