

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

HEATSENSE SPECIFICATION DATA SHEET

<u>CABLE TYPE</u>	AccuTemp™ THERMOCOUPLE CABLE
<u>GENERAL DESCRIPTION</u>	TIGHT TOLERANCE, HIGH ACCURACY THERMOCOUPLE CABLE TO BETTER THE CURRENT CLASS 1 AND SPECIAL TOLERANCE LIMITS.
<u>RELEVANT STANDARDS</u>	INTERNAL HEATSENSE SPECIFICATION BASED ON IEC60584-1 & 2 and ASTM E230 SPECIAL.

COMPONENT	MATERIAL BREAKDOWN
Conductor	Type E – Solid or Stranded – AWG32 to AWG22 (Others available on request) Type J – Solid or Stranded – AWG32 to AWG22 (Others available on request) Type K – Solid or Stranded – AWG32 to AWG22 (Others available on request) Type N – Solid or Stranded – AWG32 to AWG22 (Others available on request) Type T – Solid or Stranded – AWG32 to AWG22 (Others available on request)
Dielectric	PFA, PTFE, FEP, ETFE, GLASS WHIP, GLASS BRAID, MICA/GLASS, POLYIMIDE (Other materials or combinations there-of available on request)
Lay Up	Twisted pair, multi-pair, flat twin, single leg constructions
Screen (optional)	Tin plated, Silver plated, Nickel plated copper wire braids, Aluminium foil
Jacket (optional)	PFA, PTFE, FEP, ETFE, GLASS WHIP, GLASS BRAID, MICA/GLASS, POLYIMIDE (Other materials or combinations there-of available on request)
Overbraid/Armour (optional)	Nickel plated copper, Stainless steel or Galvanised steel wire braids

Colour coding available for all current and obsolescent country coding combinations including IEC60584, BS1843/BS4937, ANSI MC96.1/ASTM E230, DIN 43710, NF C 42-324 and JIS C 1610.

CABLE CHARACTERISTICS

VOLTAGE RATING: As required (0 – 2000 V RMS)

TEMPERATURE RATING: As required (-200°C to +1250°C)

Thermocouple Type	IEC60584-2 Tolerance Class 1	ASTM E230 and ANSI MC96.1 Special Tolerance	AccuTemp™ Special Tight Precise Accuracy Tolerance
E	± 1.50°C or ± 0.40%	± 1.00°C or ± 0.40%	± 0.50°C or ± 0.20%
J	± 1.50°C or ± 0.40%	± 1.10°C or ± 0.40%	± 0.50°C or ± 0.20%
K	± 1.50°C or ± 0.40%	± 1.10°C or ± 0.40%	± 0.50°C or ± 0.20%
N	± 1.50°C or ± 0.40%	± 1.10°C or ± 0.40%	± 0.50°C or ± 0.20%
T	± 0.50°C or ± 0.40%	± 0.50°C or ± 0.40%	± 0.30°C or ± 0.20%

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