

# HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

## HEATSENSE - SPECIFICATION DATA SHEET

**CABLE TYPE**

INTEMP® 700

**GENERAL DESCRIPTION**

PURE NICKEL 205 WIRE CONDUCTORS INSULATED WITH LAPPED MICA TAPE AND BRAIDED HIGH TEMPERATURE GLASS YARN, CONSOLIDATED WITH SILICONE VARNISH.

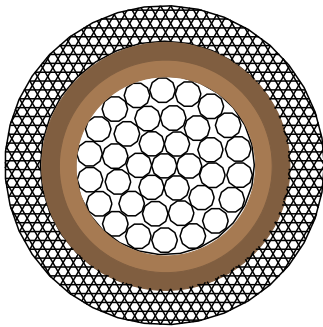
**RELEVANT STANDARDS**

GENERAL PURPOSE - INTERNAL HEATSENSE SPECIFICATION

Heatsense Part Number	Conductor C.S.A (mm <sup>2</sup> )	Equivalent AWG Size (aprox.)	Conductor Stranding (mm)	Conductor Diameter (mm) Nominal	Overall Diameter (mm) Nominal	Current Rating (A) Maximum *	Conductor Resistance (Ω/Km Nom)
INTEMP700-0.25-WE	0.25	24	19/0.130	0.65	2.25	5	377
INTEMP700-0.50-WE	0.50	22	16/0.200	0.93	2.53	7	189
INTEMP700-0.75-WE	0.75	20	24/0.200	1.14	2.74	10	126
INTEMP700-1.00-WE	1.00	18	32/0.200	1.40	3.00	11	94
INTEMP700-1.50-WE	1.50	16	30/0.250	1.60	3.20	15	64
INTEMP700-2.50-WE	2.50	14	50/0.250	2.00	3.60	22	38
INTEMP700-4.00-WE	4.00	12	56/0.300	2.60	4.20	30	24
INTEMP700-6.00-WE	6.00	10	84/0.300	3.10	4.70	40	16
INTEMP700-10.0-WE	10.0	8	80/0.400	4.20	5.80	61	9

\* BASED ON A 40°C AMBIENT TEMPERATURE WITH 110°C CONDUCTOR RISE DUE TO CURRENT ONLY

Standard colour is White (natural). Colours or identification tracers are available on request.



**CABLE CHARACTERISTICS :**

VOLTAGE RATING: 600V RMS

TEMPERATURE RATING: -75°C to +700°C

BEND RADIUS: 20 x CABLE DIAMETER

TYPICAL APPLICATIONS: GENERAL HIGH TEMPERATURE MEDIUM VOLTAGE APPLICATIONS, OVENS, KILNS, FURNACES - METAL/GLASS WORKS, HARSH INDUSTRIAL ENVIRONMENTS.

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