

# HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

## HEATSENSE SPECIFICATION DATA SHEET

### CABLE TYPE

HIGH TEMPERATURE INDUSTRIAL CABLE – INTEMP® 250.

### GENERAL DESCRIPTION

CABLES ARE CONSTRUCTED USING NICKEL PLATED COPPER WIRE CONDUCTORS AND INSULATED WITH A COMBINATION OF PFA, MICA TAPES AND A GLASS FIBRE BRAID IMPREGNATED WITH HEAT RESISTANT VARNISH.

### RELEVANT STANDARDS

CONDUCTOR GENERALLY TO BS6360 Class 5 Flexible,  
CABLE TO ORIGINAL INTERNAL HEATSENSE SPECIFICATION.

| Nominal C.S.A. (mm <sup>2</sup> ) | Heatsense Reference | Conductor Stranding | Nominal Conductor Diameter (mm) | Nominal AWG | Nominal Diameter (mm) | Conductor Resistance (Max) Ω/km | Current Rating* (max long term)* |
|-----------------------------------|---------------------|---------------------|---------------------------------|-------------|-----------------------|---------------------------------|----------------------------------|
| 0.25                              | INTEMP250-0.25-WE   | 19/0.130mm          | 0.65                            | 24          | 2.85                  | 79.00                           | 13                               |
| 0.50                              | INTEMP250-0.50-WE   | 16/0.200mm          | 0.93                            | 22          | 3.13                  | 40.00                           | 16                               |
| 0.75                              | INTEMP250-0.75-WE   | 24/0.200mm          | 1.14                            | 20          | 3.34                  | 26.50                           | 23                               |
| 1.00                              | INTEMP250-1.00-WE   | 32/0.200mm          | 1.40                            | 18          | 3.70                  | 20.00                           | 26                               |
| 1.50                              | INTEMP250-1.50-WE   | 30/0.250mm          | 1.60                            | 16          | 3.90                  | 13.70                           | 35                               |
| 2.50                              | INTEMP250-2.50-WE   | 50/0.250mm          | 2.00                            | 14          | 4.30                  | 8.21                            | 50                               |
| 4.00                              | INTEMP250-4.00-WE   | 56/0.300mm          | 2.60                            | 12          | 5.00                  | 5.09                            | 69                               |
| 6.00                              | INTEMP250-6.00-WE   | 84/0.300mm          | 3.10                            | 10          | 5.50                  | 3.39                            | 93                               |
| 10.00                             | INTEMP250-10.0-WE   | 80/0.400mm          | 4.20                            | 8           | 6.80                  | 1.95                            | 137                              |
| 16.00                             | INTEMP250-16.0-WE   | 224/0.300mm         | 6.30                            | 6           | 9.00                  | 1.26                            | 182                              |
| 25.00                             | INTEMP250-25.0-WE   | 500/0.250mm         | 8.00                            | 4           | 10.80                 | 0.81                            | 243                              |
| 35.00                             | INTEMP250-35.0-WE   | 700/0.250mm         | 8.80                            | 2           | 11.60                 | 0.58                            | 300                              |

\*Current ratings based on a temperature rise of 110°C allowing for an ambient temperature of 140°C.

### CABLE CHARACTERISTICS

#### VOLTAGE RATING:

600/1000v rms Maximum

#### TEMPERATURE RATING:

-50°C to +260°C

#### MINIMUM BEND RADIUS:

10 x MAXIMUM OVERALL DIAMETER



Standard colour is Natural/White. Can be supplied with coloured tracers or different outer braid colours on request.

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