



# K. LACEY WIRES AND CABLES

## INTEMP 250

Intemp 250 High Temperature Cable with Flexible Nickel plated copper conductors, PFA insulated with a glass fibre braid and heat resistant varnished overall. Maximum continuous conductor temperature of 250°C

Used for High Temperature Wiring applications and is easily terminated.

**Intemp 250 High Performance Cable** contains additional Glass Mica tapes over the PFA.

**Intemp 250 High Performance Cable** is designed to operate at high temperature industrial conditions. It has excellent moisture resistance, toughness, flexibility and a continuous temperature of 250°C.

**Voltage rating 600/1000V, maximum continuous conductor 250°C.**

### Range and Dimensions:

Nominal conductor area mm <sup>2</sup>	STANDARD TYPE		HIGH PERFORMANCE TYPE		CURRENT RATINGS	
	Nominal overall diameter mm	Approx cable weight kg/km	Nominal overall diameter mm	Approx cable weight kg/km	Conductor Resistance @ 20°C mm	Max. Current Rating for one cable in free air (ambient temperature up to 80°C) amp
1.00	2.89	21	3.89	24	20.00	25
1.50	3.14	25	4.14	29	13.70	40
2.50	3.57	35	4.57	39	8.21	54
4.00	4.08	49	5.08	54	5.09	74
6.00	5.98	88	6.98	97	3.39	98
10.00	7.15	131	8.15	141	1.95	135
16.00	7.88	180	9.38	197	1.24	180
25.00	9.17	259	10.67	280	0.795	240
35.00	10.88	380	12.88	412	0.565	290

### Rating Factors:

For higher ambient temperatures the following factors must be applied:

Ambient temperature °C	100	120	140	160	180	200	220	240
Factor	0.94	0.87	0.80	0.73	0.64	0.54	0.42	0.24

When cables are enclosed a further de-rating of 0.8 must be applied. If cables are grouped together and touching, the following factors apply:

No. of cables in group	2	3	4	5	10	15	20	25
Factor	0.8	0.7	0.65	0.6	0.45	0.4	0.36	0.33

**This design may be subject to change without notification – Please check this data sheet is still current.**

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## CONTACT US NOW FOR A QUOTATION

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