# TECHNICAL DATA SHEET PEAK TEMP 260

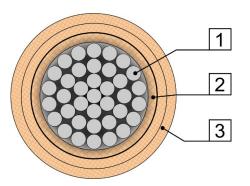


# Construction

- 1 Flexible Nickel-Plated Copper Conductor
- 2 Double Fibre glass lapped
- 3 Fibre glass braided & varnished



Voltage: 240v RMS Test Voltage: 2000v Working Temperature: 260°C on the conductor Minimum bending radius: 10 x Overall cable diameter



**Application:** With its flexible nickel-plated copper conductor, Peak Temp 260 has good flexibility when being installed and can be used in ovens, kilns, Furnaces and other high temperature environments.

Part no.	Nominal Size mm <sup>2</sup>	Conductor Stranding (mm)	Nominal Overall Diameter (mm)			
300100110	1.0	32/0.2	2.5			
300150110	1.5	30/0.25	2.8			
300250110	2.5	50/0.25	3.7			
300400110	4.0	56/0.3	3.9			

# Current ratings for nickel plated copper wires

Nominal size mm <sup>2</sup>	Conductor resistance @ 20°C Ohms / km	Maximum current rating for one cable in free air (ambient temperature up to 80°C)			
		amp			
1.0	20.0	25			
1.5	13.7	40			
2.5	8.21	54			
4.0	5.09	74			
6.0	3.39	98			
10.0	1.95	135			

#### **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	0.97	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. When 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

# Tel: 01246 470737



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# www.peakcables.co.uk e-mail: sales@peakcables.co.uk

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