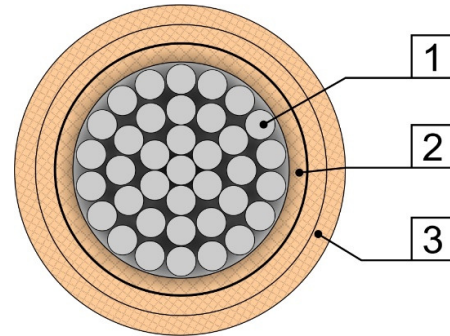


Construction

- 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 ²	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 ²	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