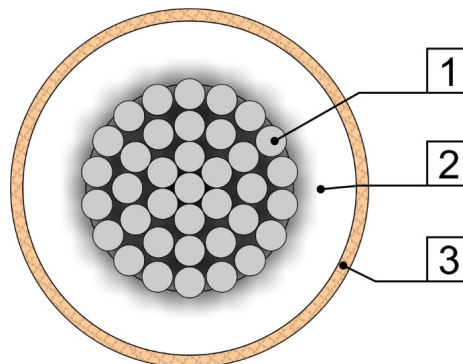


Construction

- 1 Flexible Nickel plated copper conductors
- 2 PFA (Perfluoroalkoxy) insulation
- 3 Glass fibre braided and heat resistant varnished overall

Intemp® 250 High Performance contains additional Glass Mica tapes over the PFA



Voltage: 600/1000v

Working Temperature: 250°C on the conductor

Minimum bending radius: 10 x Overall cable diameter

Application: For use in more arduous high temperature industrial conditions with good moisture resistance, toughness and flexibility and of course, a continuous operating temperature of 250°C. As well as being easy to handle and easy to install it can still be terminated using nickel plated lugs and conventional crimping techniques.

Nominal Size mm ²	Standard		High Performance		Max. current rating for one cable in free air (ambient temp up to 80°C) AMP	Max. conductor resistance At 20°C Ohms/Km
	Nominal Overall diameter (mm)	Cable Weight (Kg/Km)	Nominal Overall diameter (mm)	Cable Weight (Kg/Km)		
1.0	2.89	21	3.89	24	25	20.0
1.5	3.14	25	4.14	29	40	13.7
2.5	3.57	35	4.57	39	54	8.21
4.0	4.08	49	5.08	54	74	5.09
6.0	5.98	88	6.98	97	98	3.39
10.0	7.15	131	8.15	141	135	1.95
16.0	7.88	180	9.38	197	180	1.24
25.0	9.17	259	10.67	280	240	0.795
35.0	10.88	380	12.88	412	290	0.565

Intemp® 250 will operate at a maximum continuous conductor temperature of 250°C. In circumstances where the cable is not exposed to touch and does not run in contact with, or in the close vicinity of heat-sensitive materials, this enables it to be run at high ratings. Under these conditions it may be necessary to consider special fusing arrangements and since volt drop/power loss will be high this should be allowed for in the installations.

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. 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

The technical data contained in this technical data sheet are not binding and given in good faith. The information can be changed without notification as a consequence of improvements or modifications deemed necessary by the manufacturer.