

**Flexible Single Core 125°C Rated****RADOX® 125 High Temperature Low Smoke Halogen Free Flexible Wires**

Thermal Class B



**Voltage Rating:** 0.25mm<sup>2</sup> to 1.0mm<sup>2</sup> 450/750V  
1.5mm<sup>2</sup> to 240mm<sup>2</sup> 0.6/1kV

Cross Section	Stranding	Colours Available	Weight	Overall Diameter
mm <sup>2</sup>	No. / Ø mm		kg / 100m	mm
0.25	19/0.13	Black, Brown, Red, Orange, Yellow, Blue, Grey, White, Violet	0.4	1.5
0.50	19/0.18	Black, Brown, Red, Orange, Yellow/Green, Blue, Grey, White	0.7	1.7
0.75	24/0.20	Black, Brown, Red, Orange, Blue, Grey, White, Violet	1.1	2.2
1.0	32/0.20	Black, Brown, Red, Orange, Yellow, Yellow/Green, Blue, Grey, White, Violet	1.5	2.6
1.5	30/0.25	Black, Brown, Red, Orange, Yellow/Green, Blue, Grey, White, Violet	1.9	2.7
2.5	48/0.25	Black, Brown, Red, Yellow, Yellow/Green, Blue, Grey, White, Violet	3.0	3.4
4.0	56/0.30	Black, Brown, Red, Blue, Grey, White	4.6	4.1
6.0	81/0.30	Black, Brown, Red, Yellow/Green, Blue, White	6.5	5.0
10.0	78/0.40	Black, Red, Blue, White	11.0	6.2
16.0	119/0.40	Black, Red, Blue, White	16.5	7.4
25.0	182/0.40	Black	25.0	8.9
35.0	266/0.40	Black	35.0	10.3
50.0	378/0.40	Black	50.0	12.1
70.0	348/0.50	Black	71.0	14.4

**Benefits**

- High current carrying capacities
- Wide temperature range -40°C to +125°C
- Electron beam crosslinked
- Short circuit temperatures of up to 280°C with no change to material properties
- Easy processability (removal of insulation etc.)
- Excellent resistance against all conventional impregnating varnishes and potting resins
- Flexible
- Good abrasion resistance and mechanical properties
- Available in a full range of colours
- Good resistance to ozone, UV and sunlight radiation

**Behaviour in Case of Fire**

- Flame retardant AS 1660.5.1 (IEC 60332-3)
- Zero halogen AS 1660.5.4 (IEC 60754-1)
- Low smoke AS 1660.5.2 (IEC 61034-2)
- Zero corrosive gases AS 1660.5.4 (IEC 60754-2)

**Applications**

- All class B insulated equipment
- Electric locomotives and railway carriages
- Electric Trams
- Electronic equipment
- Switchboards
- Lighting equipment
- Thermal equipment and appliances
- Refrigeration units and freezers
- Air conditioners
- Wiring of coils, leads to ballasts transformers and converters etc.
- Flexible connection to diesel motor generator sets
- Harnesses for automotive industry
- Engine bay wiring
- RADOX® 125 RW for high density wiring

**Note:** Other sizes available on request