

SENPC

Silicone elastomer covered nickel plated copper wire.

This range of wire is made from high performance silicone elastomer extruded onto high conductivity solid or standard nickel plated copper wire.

These products have excellent flexibility, good insulation cut-through resistance and ability to operate continuously at 180°C and at even high temperatures (up to 210°C) in approved applications.

Their standard construction meets the requirements of BS 6141 (tables 5 & 7) and harmonized European standards (IEC 245-1-2-3). Alternative sizes of nickel plated copper can be supplied and the wall thickness of the silicone elastomer cover can be increased or decreased to meet particular needs (e.g. ignition cable for gas appliances).

This range of wire widely used on domestic appliances, lighting fittings, high temperature rotating machines and electronic devices, where higher temperature conditions limit the use of SETC.



Technical Data

Conductor	Annealed copper nickel plated to nominal sizes (Ref: BS 4109/BS 6360) as shows on specification sheet QAS 102/18/1
Insulation	High tear strength silicone elastomer compound meeting the following requirements:
Specific Gravity	1.30+/- 0.02G/CM3 (BS 903 Part A1)
Hardness	70+/-5 IRHD (BS 903 Part A26)
Tensile Strength (min)	6MPa (BS 903 Part A2)
Elongation at Break (min)	300% (BS 903 Part A2)
Tear Strength (min)	15KN/M (ASTM D624-86 Die B)
Electrical Strength at 20°C (1 min. Proof)	2.5Kv
Spark Voltage	4.0kV standard (higher voltage on request)
Colours Available	Black, Blue, Brown, Green, Grey, Orange, Pink, Red, Violet, White, Yellow
Packing	In continuous lengths on standard reels or in longer lengths, barreled in boxes

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