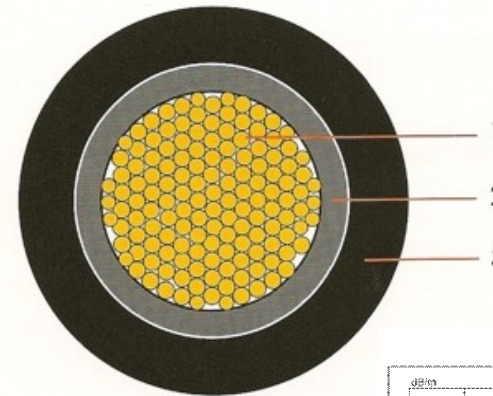


# Ferrite Coated Hook-Up Wires

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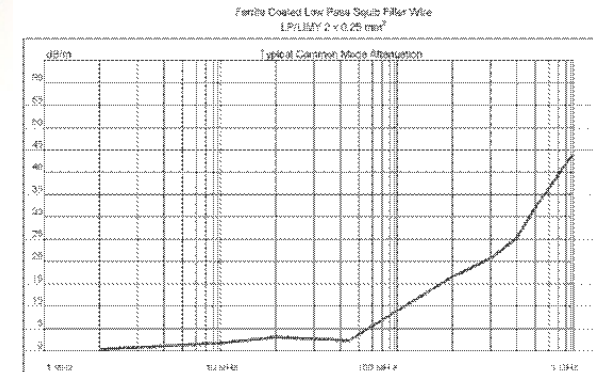
Construction:



1. Stranded Conductor
2. Ferrite Coating
3. PVC Insulation

## Specifications:

- \* Core Conductor - 18 AWG, Tinned Stranded Copper. (42 x 0.016mm<sup>2</sup> preferred)
- \* Ferrite Coating - Manganese - Zinc (Mn-Zn) specific weight 3.3 kg/dm<sup>3</sup> extrudable compound- 100 parts in weight ferrite powder with 10 parts in weight of elastomeric binders. This should be an extrudable, flexible, rubber-like material. Wall thickness - 0.5mm nominal (0.4mm min.)
- \* Insulation - PVC Silec 164 SC with a resistance to flame propagation according to UL758 Flame test per UL 1581 (VW-1)
- \* Diameter - Nominal
  - (1) Conductor - 1.3 mm
  - (2) Ferrite - min. 2.3 mm; max 2.4mm
  - (3) Insulation - min. 3.5mm; max 3.6mm
- \* Color - black per RAL 9005  
blue per RAL 5015  
brown per RAL 8003  
green/yellow per RAL 6018/1012
- \* Weight (kg/km) - approx. 24
- \* Copper weight - (kg/km) approx. 9.2
- \* Spark Test:  
The insulated conductors must be spark tested during the extrusion process (500 Hz or DC, 3000V), and all insulation flaws must be repaired and retested or cut out. Each shipment must have a certificate of compliance indicating the conformance to this test for each batch.
- \* Drum/Spool details:  
600 mm diameter/250 mm internal diameter/  
300 mm internal width  
Material - plastic  
Capacity - 3 km



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## Ferrite Coated Hook-Up Wires

Drawing No.

SC - 100 - 0 (Black)

SC - 100 - 1 (Blue)

SC - 100 - 2 (Brown)

SC - 100 - 3 (Green/Yellow)

Drawn By	MCL	Eng	CK MK	QA	CK PH
Date:	9/1/95	Date:	9/15/95	Date:	9/15/95
IEC 60228				Approved Sig	
Customer P/N: TBD				Sheet 1	