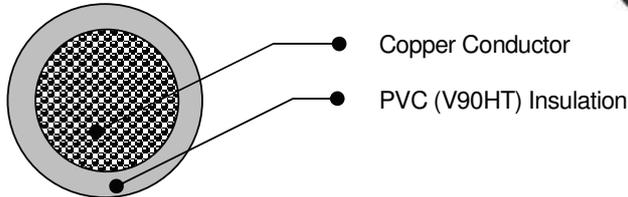




<b>Product Data Sheet</b>	REV: E
<b>V90HT Flexible Hook-up Wire, 105°C</b>	Date of issue: 29-03-07



**Application**

Flexible single core hook-up wire for use in plants, devices, switch gear cabinets where higher temperatures occur.

**Technical Data**

- Reference Standards : in acc. to UL10269, UL 1015
- Conductor : Tinned Anneal Copper
- \*Conductor Stranding : Class 5 stranding in acc. to IEC 60228/ VDE 0295/ASNZS 1125.  
(Please see note below.)
- \*Insulation : PVC (V90HT) compound to AS/NZS 3808
- Color code : see below\*
- Flame Retardant : VW-1
- Printing Legend : LAPP KABEL V90HT Size 600/ 1000V ROHS 105°C

**Electrical Data**

- Voltage Rating : 600/1000V
- Temperature Rating : -20°C up to +105°C
- Min. Insulation Resistance : Min 10 Mohm/Km
- Dielectric Test : 3kv/min

**Mechanical data**

- Min. Bending Radius : 3xOD
- Flame Retardant : in accordance to VW-1
- EC Directive : This cable conforms to ECD 72/ 23/ EEC (low voltage directive)

**NOTE:**

Guidelines have been established for measuring conductor sizes with the European Cable Industry. In the past, conductors were normally measured by their cross sectional area, number and diameter of individual strands or both. The new current systems for the flexible conductors centers around the maximum strand diameter and the conductor resistance. In view of this, some cables may have less strands and a smaller diameter than listed below but still conform to BS6360, VDE 0295 and IEC 60228 by meeting conductor resistance requirements.



<b>Product Data Sheet</b>	REV: E
<b>V90HT Flexible Hook-up Wire, 105°C</b>	Date of issue: 29-03-07

### Dimensional Data :

DKSH Part No.	Lapp Kabel Part No.	Conductor Size mm <sup>2</sup>	Nominal Insulation Thickness mm	Approx. Cable Outer Dia. mm	Max. DC cond. resistance at 20°C Ω/km	* Approx. Copper Weight Kg/km	* Approx. Cable Weight Kg/km
HF1X0.5xx	380100x	0.5	0.80	2.55	40.1	4.8	11.0
HF1X0.75xx	380101x	0.75	0.80	2.75	26.7	7.2	14.1
HF1X1xx	380102x	1.0	0.80	2.95	20.0	9.6	17.2
HF1X1.5xx	380103x	1.5	0.80	3.25	13.7	14.4	23.3
HF1X2.5xx	380104x	2.5	0.80	3.70	8.21	24.0	34.4
HF1X4xx	380105x	4.0	0.85	4.30	5.09	38.0	54.2
HF1X6xx	380106x	6.0	0.85	4.90	3.39	58.0	87.9
HF1X10xx	380107x	10	1.15	6.50	1.95	96.0	138.3
HF1X16xx	380108x	16	1.52	8.40	1.24	153.6	230.6
HF1X25xx	380241x	25	1.52	10.20	0.795	240.0	305.0
HF1X35xx	380242x	35	1.52	12.40	0.565	336.0	437.0
HF1X50xx	380243x	50	2.03	13.95	0.393	480.0	588.0
HF1X70xx	380244x	70	2.03	16.00	0.277	672.0	790.0
HF1X95xx	380245x	95	2.03	18.00	0.210	912.0	1051.0
HF1X120xx	380246x	120	2.03	20.50	0.164	1152.0	1330.0
HF1X150xx	380247x	150	2.41	22.20	0.132	1440.0	1628.0
HF1X185xx	380248x	185	2.41	24.20	0.108	1776.0	1984.0
HF1X240xx	380249x	240	2.41	29.50	0.082	2304.0	2514.0

\* Dimensions provided are approximate values and could differ from the actual values upon production. We reserve the right to make any changes to the information provide here.

**\* Please complete part number with the following colour codes :**

- 0 = gn/ye (earth)
- 1 = black
- 2 = blue
- 3 = brown
- 4 = red
- 5 = white
- 6 = grey
- 7 = violet
- 8 = pink
- 9 = orange
- 11 = yellow
- 12 = green
- 14 = dark blue

Further colours on request.

**Remarks:**

- 1) Standard packing are all in 100m spool up to 16sqmm.
- 2) For conductor sizes 1.5 & 2.5mm<sup>2</sup>, packing in 500m spool is also available.
- 3) MOQ may apply.