

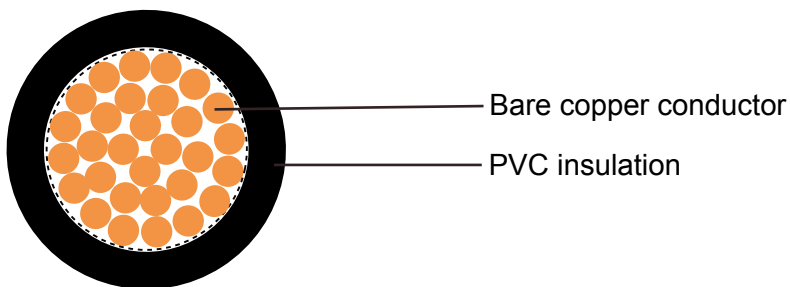


2491X Heat Resistant cables to BS 6004

Application and Description

These special heat-resistant flexible single-conductor hook-up wires are ideal for use in power current installation, switch cabinets, motors and transformers which are subject to direct contact with high temperature equipments (e.g. varnishing machines and drying towers etc.). These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus. 2491X HR is equivalent to harmonized code H05V2-K/ H07V2-K.

Cable Construction



2491X HR



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- Fine bare copper strands
- Stranding to BS 6360 Class 5 or IEC 60228 Class 5
- Special heat resistant PVC TI3 core insulation to BS 7655
- H05V2-K (20, 18 & 17 AWG)
- H07V2-K (16 AWG and Larger)

Core Identification

Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

Technical Characteristics

- Working voltage: 300/500v (H05V2-K)/ 450/750v (H07V2-K)
- Test voltage: 2000/2500 volts
- Flexing bending radius: 10-15xOverall diameter
- Static bending radius: 10-15xOverall diameter



- Flexing temperature: +5° C to +90° C
- Static temperature: -10° C to +105° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩxkm

Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
H05V2-K					
20(16/32)	1x0.5	0.6	2.5	4.8	8.7
18(24/32)	1x0.75	0.6	2.7	7.2	11.9
17(32/32)	1x1	0.6	2.8	9.6	14
H07V2-K					
16(30/30)	1x1.5	0.7	3.4	14.4	20
14(50/30)	1x2.5	0.8	4.1	24	33.3
12(56/28)	1x4	0.8	4.8	38	48.3
10(84/28)	1x6	0.8	5.3	58	68.5
8(80/26)	1x10	1.0	6.8	96	115
6(128/26)	1x16	1.0	8.1	154	170
4 (200/26)	1x25	1.2	10.2	240	270
2 (280/26)	1x35	1.2	11.7	336	367
1 (400/26)	1x50	1.4	13.9	480	520
2/0 (356/24)	1x70	1.4	16	672	729
3/0 (485/24)	1x95	1.6	18.2	912	962
4/0 (614/24)	1x120	1.6	20.2	1115	1235
300 MCM (765/24)	1x150	1.8	22.5	1440	1523
350 MCM (944/24)	1x185	2.0	24.9	1776	1850
500MCM(1225/24)	1x240	2.2	28.4	2304	2430