

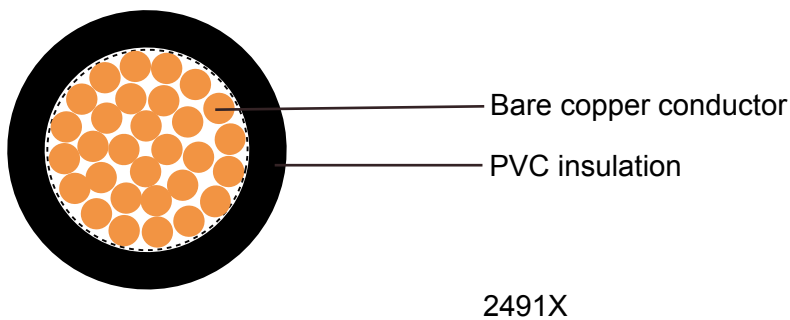


2491X to BS 6004

Application and Description

These cables are designed for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers. 2491X is equivalent to harmonized code H05V-K/H07V-K.

Cable Construction



2491X

- Fine bare copper strands
- Stranding to BS 6360 Class 5 or IEC 60228 Class 5
- Special PVC TI1 core insulation to BS 7655

Core Identification

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

Technical Characteristics

- Working voltage: 300/500v (H05V-K)/ 450/750v (H07V-K)
- Test voltage: 2000 -2500 volts
- Minimum bending radius: 6xOverall diameter
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 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
H05V-K					
20(16/32)	1x0.5	0.6	2.1	4.9	10
18(24/32)	1x0.75	0.6	2.4	7.2	13
17(32/32)	1x1	0.6	2.6	9.6	15
H07V-K					
16(30/30)	1x1.5	0.7	3.1	14.4	20
14(50/30)	1x2.5	0.8	3.6	24	31
12(56/28)	1x4	0.8	4.3	38.0	48
10(84/28)	1x6	0.8	4.9	58.0	69
8(80/26)	1x10	1.0	6.4	96	121
6(128/26)	1x16	1.0	8.1	154	211
4 (200/26)	1x25	1.2	9.8	240	303
2 (280/26)	1x35	1.2	11.1	336	417
1 (400/26)	1x50	1.4	13.1	480	539
2/0 (356/24)	1x70	1.4	15.5	672	730
3/0 (485/24)	1x95	1.6	17.2	912	900
4/0 (614/24)	1x120	1.6	19.7	1152	1135
300MCM (765/24)	1x150	1.8	21.3	1440	1410
350MCM (944/24)	1x185	2.0	23.4	1776	1845
500MCM(1225/24)	1x240	2.2	27.1	2304	2270