

## 2491X / H05V-K / H07V-K EN 50525-2-31 Flexible Cable - 0.50mm<sup>2</sup> to 240mm<sup>2</sup>



### Description

2491X is a single-core panel wire with a Class 5 flexible copper conductor in Polyvinyl Chloride (PVC) insulation. Designed for ease of routing in tight spaces, it is rated for operating temperatures up to 70°C and is available in various colours for circuit identification. It serves as a more pliable alternative to solid-core wiring in protected environments.

This cable is primarily used for the internal wiring of switchgear, control panels, and relay boards, as well as within lighting fixtures and household appliances. Its flexibility makes it ideal for installation within conduits or trunking. Depending on the conductor size, it carries a voltage rating of 300/500V for smaller cross-sections (up to 1.0mm<sup>2</sup>) or 450/750V for larger sizes (1.5mm<sup>2</sup> and above)

Because it uses standard PVC insulation rather than halogen-free materials, 2491X is intended for general-purpose applications where specific fire safety regulations for public buildings are not required. It is built for fixed installations or use within mobile equipment where it remains shielded from mechanical impact.

### Key Features



#### Voltage Rating

Up to 1mm<sup>2</sup> (H05V-K) - 300/500 Volts  
1.5mm<sup>2</sup> and above (H07V-K) - 450/750 Volts



#### Minimum Bending Radius

Fixed: 6 x overall diameter



#### Flame Retardancy

BS EN/IEC 60332-1-2



#### Temperature Limits

Fixed: -30°C to +80°C  
Flexing: -5°C to +70°C

### Core Colours



### Standards

- BS EN 50525-2-31
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

### Construction

- **Conductor:** Class 5 flexible stranded copper conductor
- **Insulation:** Polyvinyl Chloride (PVC)

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



#### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



### Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



#### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

#### ecovadis

## 2491X / H05V-K / H07V-K EN 50525-2-31 Flexible Cable - 0.50mm<sup>2</sup> to 240mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	Overall Diameter(mm)	Weight(Kg/Km)	Voltage
2491X/5	0.50	2.20	9	300/500
2491X/75	0.75	2.40	12	300/500
2491X1	1.00	2.50	15	300/500
2491X1/5	1.50	3.00	20	450/750
2491X2/5	2.50	3.70	30	450/750
2491X4	4	4.10	45	450/750
2491X6	6	4.80	65	450/750
2491X10	10	6.20	110	450/750
2491X16	16	7.30	170	450/750
2491X25	25	9.20	255	450/750
2491X35	35	10.50	340	450/750
2491X50	50	12.60	495	450/750
2491X70	70	14.10	670	450/750
2491X95	95	17.00	915	450/750
2491X120	120	17.80	1135	450/750
2491X150	150	19.60	1400	450/750
2491X185	185	22.90	1750	450/750
2491X240	240	26.10	2265	450/750

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