



SM (CABLES)

Low voltage wiring, flexible and special cables



STANDARDS

EN50525-2-31
EN60228
EN60227-3
EN50265-2-1
IEC60332-1-2



Single Core Wire, H05V-K (2491X) / H07V-K (6491X)

CONSTRUCTION (Cu/PVC)

- Conductor**
Flexible multi-stranded copper (Class 5)
- Insulation**
Polyvinyl chloride Type: T11

SPECIFICATIONS

- 70°C** Maximum operating temperature
- 160°C** Maximum short circuit temperature
- 300/500V** Rated voltage U_0/U
- 2KV/2.5KV** AC Test Voltage
- 4 X D** Minimum Bending Radius
- Flame propagation test on single cable. Euroclass Eca.**



APPLICATIONS

Used for dry protected installations and equipment, including light fittings, distribution boards and laid inside conduit and trunking.

MARKING

Embossed, indented, or printed with CIJ in Black or white indelible ink.

SM (CABLES) to BS EN 50525-2-31 05V-K ###SQ MM 300/500V Eca CE

SM (CABLES) to BS EN 50525-2-31 07V-K ###SQ MM 450/750V Eca CE

TECHNICAL DATA

Product Code	Nominal Cross Section mm ²	Overall Dimensions mm	Approximate Net Weight kg/km	Maximum Conductor Resistance Ω/km @ 20°C	Current Carrying Capacity in Air Amperes (A)
H05V-K 300/500V / 2491X					
SM05VK0/50	0.5	2.1	9	39	-
SM05VK0/75	0.75	2.2	11	26	16
SM05VK1/00	1	2.4	13	19.5	20
H07V-K 450/750V / 6491X					
SM07VK1/50	1.5	2.8	20	13.3	24
SM07VK2/50	2.5	3.4	30	7.98	32
SM07VK4/00	4	3.9	45	4.95	42
SM07VK6/00	6	4.4	66	3.3	54
SM07VK10/0	10	5.7	110	1.91	73
SM07VK16/0	16	6.7	170	1.21	98
SM07VK25/0	25	8.4	260	0.78	129
SM07VK35/0	35	9.7	355	0.554	158
SM07VK50/0	50	11.5	500	0.386	198
SM07VK70/0	70	13.2	720	0.272	245
SM07VK95/0	95	15.1	960	0.206	292

Specifications and technical data is provided in good faith and is believed to be correct at the time of publication. Actual products may differ in dimensions due to manufacturing tolerances. The information provided within this document is typical and is intended for guidance only. This specification and data is subject to changes without notice or liability.

PVC - LOW VOLTAGE WIRING