



SM (CABLES)

Low voltage wiring, flexible and special cables

SM CABLES

STANDARDS

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









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

PVC Insulated, Single Core Cable with Rigid Stranded Conductors

CONSTRUCTION (Cu/PVC)

-  **Conductor**
Rigid stranded copper (Class 2)
-  **TI 1 PVC**
Polyvinyl chloride Type: TI1

SPECIFICATIONS

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

APPLICATIONS

Used for dry protected installations including light fittings, switch and distribution boards, laid inside conduit and trunking, under plaster, on cable trays and cable supports.

MARKING

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

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

SM (CABLES) to BS EN 50525-2-31 07V-R ###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-R 300/500V / 2491X					
SM05VR0/50	0.5	2	9	36	-
SM05VR0/75	0.75	2.2	11	24.4	16
SM05VR1/00	1	2.3	13	18.1	20
H07V-R 450/750V / 6491X					
SM07VR1/50	1.5	2.7	20	13.3	24
SM07VR2/50	2.5	3.3	30	7.98	32
SM07VR4/00	4	3.8	45	4.95	42
SM07VR6/00	6	4.3	66	3.3	54
SM07VR10/0	10	5.6	110	1.91	73
SM07VR16/0	16	6.4	170	1.21	98
SM07VR25/0	25	8.1	262	0.78	129
SM07VR35/0	35	9	364	0.554	158
SM07VR50/0	50	10.6	512	0.386	198
SM07VR70/0	70	12.1	743	0.272	245
SM07VR95/0	95	14.1	1010	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