

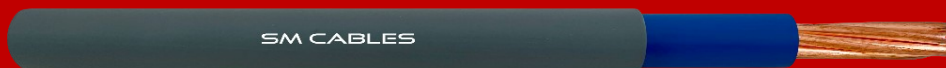


SM (CABLES)

Low voltage wiring, flexible and special cables

STANDARDS




IEC60502-1
IEC60228
IEC60332-1-2









G181 Y

PVC Insulated, PVC Sheathed Power Cable

CONSTRUCTION (Cu / PVC / PVC / PVC)

- 1  **Conductor**
Solid (Class1) or Stranded (Class 2) Copper
- 2  **PVC**
Insulation
Poly Vinyl Chloride
- 3  **PVC**
Outer Sheath
Poly Vinyl Chloride

SPECIFICATIONS

-  **+70°C** **Operating temperature**
-  **160°C** **Maximum short circuit temperature**
-  **300/500 V**
0.6/1 KV **Rated voltage U_o/U**
-  **2KV / 3.5KV** **AC Test Voltage**
-  **12 X D** **Minimum Bending Radius**
-  **Flame propagation test on single cable. Euroclass Eca.**

APPLICATIONS

Suitable for industrial plants as power cable in dry and humid areas under low to medium mechanical stress, generally used for fixed wiring and inside distribution boards, buried underground, embedded in plaster, clipped direct or inside conduits.

MARKING

Embossed, or printed with CIJ in white or black indelible ink.

SM (CABLES) to 6181 Y #X###SQ MM 0.6/1kV 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)
6181 Y					
SM6181Y1X1/00	1	3.9	26	18.1	14
SM6181Y1X1/50	1.5	4.4	33	12.1	18
SM6181Y1X2/50	2.5	5	46	7.41	24
SM6181Y1X4/00	4	6	69	4.61	32
SM6181Y1X6/00	6	6.5	89	3.08	41
SM6181Y1X10/00	10	7.8	139	1.83	57
SM6181Y1X16/00	16	9.1	207	1.15	76
SM6181Y1X25/00	25	11	312	0.727	101
SM6181Y1X35/00	35	12.1	410	0.524	125
SM6181Y1X50/00	50	13.8	557	0.387	151.0
SM6181Y1X70/10	70	15.6	761	0.268	192
SM6181Y1X95/00	95	18.2	1060	0.193	232

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.