



6181X Single Core Solid or Stranded Copper PVC Insulated PVC Sheathed Building Wire

SPECIFICATIONS AND STANDARDS:

1. IEC 60228 & BS 6004.
2. Number of cores : One core.
3. Conductor of high conductivity copper wires insulated with PVC compound. sheathed with PVC compound.
4. Core colors: red, black.
5. Sheath colour: grey or white.

APPLICATIONS:

PVC Insulated PVC sheathed electric wire can be installed in conduit, in cable trunking and in cable ducting. Or where there is deemed little risk of mechanical damage these cables can be clipped direct, on cable tray, embedded or in free air. These cables are not intended to be laid underground.

CONSTRUCTION:

1. Conductors: Solid or stranded plain annealed copper wire (class 1 or class 2) to BS, EN 60228.
2. Insulation: PVC;
3. Sheath: PVC;
4. Voltage rating (U0/U) 300/500V;
5. Max. Conductor temp 70°C;
6. Min. bending radius 4 x overall diameter of cable.

Technical Parameter of PVC Insulated PVC Sheathed Building Wire:

Size of conductor		Nominal thickness of insulation mm	Nominal thickness of sheath mm	Mean overall diameter		Approx.net weight per km/kg
Nominal cross-sectional area mm ²	Number and diameter of wires mm			Lower limit mm	Upper limit mm	
1.0	1/1.13	0.6	0.8	3.8	4.5	28
1.5	1/1.38	0.7	0.8	4.2	4.9	35
2.5	1/1.78	0.8	0.8	4.8	5.8	50
4	7/0.85	0.8	0.9	5.4	6.8	75
6	7/1.04	0.8	0.9	6.0	7.4	100
10	7/1.35	1.0	0.9	7.2	8.8	155
16	7/1.70	1.0	1.0	8.4	10.5	225
25	7/2.14	1.2	1.1	10.0	12.5	340
35	19/1.53	1.2	1.1	11.0	13.5	445