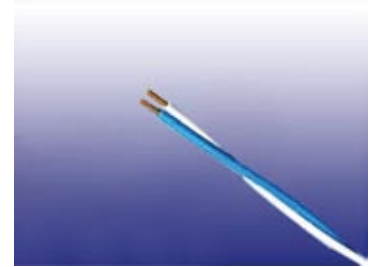


PVC Insulated Jumper Wires to IEC 60189-1

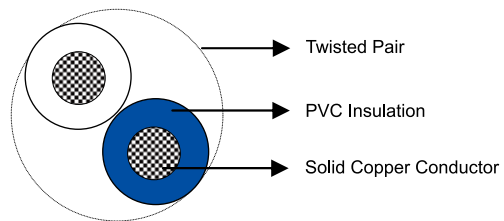
APPLICATION

The jumper wires are used for interconnection between terminal blocks at main distribution frames (MDF), cross connection cabinets (CCP) and distribution frames or boxes.



STANDARDS

- IEC 60189-1
- IEC 60332-1
- UL1581 Sec.VW-1



CONSTRUCTION

- **Conductors:** Solid annealed tinned copper 0.5/0.6/0.8mm as per IEC 60228 Class 1.
- **Insulation:** PVC
- **Twisted Pairs:** Insulated conductors are twisted into pairs with varying lays to minimize crosstalk.

ELECTRICAL PROPERTIES

Nominal Conductor Diameter	mm	0.5	0.6	0.8
Conductor Size	mm ²	0.196	0.283	0.5
Maximum Conductor Resistance @20°C	Ω/km	98	66	35
Minimum Insulation Resistance @500V DC	MΩ-km	50	50	50
Nominal Insulation Thickness	mm	0.225	0.225	0.275
Nominal Insulated Conductor Diameter	mm	0.95	1.05	1.35

MECHANICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C – +70°C

Temperature range during installation (mobile state): -20°C – +50°C

Minimum bending radius: 7.5 x Overall Diameter

COLOUR CODE

Standard colour code is per IEC 60189-1.



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DIMENSIONS AND WEIGHT

Cable Code	Number of Wires	Nominal Insulation Thickness mm	Maximum Overall Diameter mm	Nominal Weight kg/km
0.5mm Conductor, 0.95mm Insulated Wire				
TC189-Y-1W05	1	0.225	1.25	2.5
TC189-Y-2W05	2	0.225	1.95	5.0
TC189-Y-3W05	3	0.225	2.25	7.5
TC189-Y-4W05	4	0.225	2.40	10.0
TC189-Y-5W05	5	0.225	2.60	12.5
0.6mm Conductor, 1.05mm Insulated Wire				
TC189-Y-1W06	1	0.225	1.45	3.0
TC189-Y-2W06	2	0.225	2.15	6.0
TC189-Y-3W06	3	0.225	3.0	9.0
TC189-Y-4W06	4	0.225	3.4	12.0
0.8mm Conductor, 1.35mm Insulated Wire				
TC189-Y-1W08	1	0.275	2.05	5.8
TC189-Y-2W08	2	0.275	2.75	11.6
TC189-Y-3W08	3	0.275	3.7	17.4
TC189-Y-4W08	4	0.275	4.2	23.2

