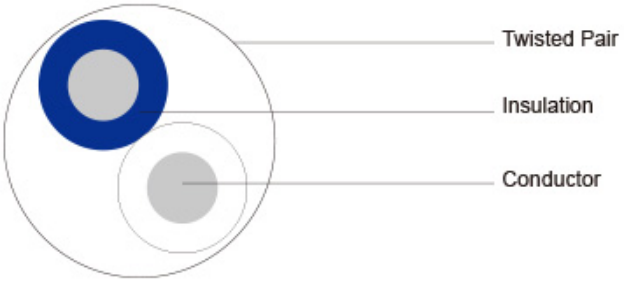
PVC Insulated Jumper Wires to IEC 60189-1



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 & Mechanical Properties

Nominal Conductor Diameter	mm	0.5	0.6	0.8
Conductor Size	mm2	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

Color Code

Standard colour code is per IEC 60189-1

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