

PVC INSULATED JUMPER WIRE

TJV

GENERAL

This specification covers the requirements of jumper wire used for cross connecting purposes and main distribution frame wiring by The Telephone Organization of Thailand (TOT).



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CONSTRUCTION :

Conductor : Tinned annealed copper wire, 0.50 and 0.65 mm. (24, 22 AWG) in size.

Insulation : Color coded or polyvinyl chloride.

Twisted Pairs : The insulated conductors are twisted into pairs, or triple with specified color combinations to provide pair identification.

Identification of conductor : The insulation of conductor shall be coloured as follows :

No. Of cores nominal	Conductor Diameter : 0.5 mm		Conductor Diameter : 0.65 mm	
	Overall Dia.(mm)	Standard Length	Overall Dia.(mm)	Standard Length
2	2	200	3	200
3	3	200	3	200
4	3	200	4	200
5	3	200	4	200

Total number of conductor in wire	Construction	Dia (mm)	Colour of Insulation	Length	Std Pkg.
1	Single	0.50	Green		
2	Pair	0.50	Black and Yellow	200	1 coil
2	Pair	0.65	Red and White	200	1 coil
3	Triple	0.50	Red and White and Green		
Tolerance				±1%	

ELECTRICAL CHARACTERISTICS : TJV

- Conductor resistance when measured at or corrected to 20 °C.
0.5 mm. = 95.1 Ohm/km.
0.65 mm. = 60.7 Ohm/km.
- Insulation resistance when measured on 10 m. of single wire.
(Immersed in water) = 200 Megohm-km.
- The dielectric of each insulated wire to all other wires.
(Immersed in water) = 1.0 kv (AC) 3 seconds.

