



BANGKOK TELECOM CO., LTD.

BTS-M-0301

TJV



PVC INSULATED JUMPER WIRE



Tinned annealed copper

Polyvinyl chloride insulation

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).

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 :

Total number of conductor in wire	Construction	Dia. (mm)	Colour of Insulation	Length (m)	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%	

No. of Cores nominal	Conductor Diameter : 0.50 mm (24 AWG)		
	Overall Dia. approx. (mm)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	2	6	200
3	3	10	200
4	3	13	200
5	3	16	200

No. of Cores nominal	Conductor Diameter : 0.65 mm (22 AWG)		
	Overall Dia. approx. (mm)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	3	10	200
3	3	15	200
4	4	20	200
5	4	25	200

ELECTRICAL CHARACTERISTICS : TJV

1. Conductor resistance when measured at or corrected to 20° C.

0.5 mm. = 95.1 Ohm/km.

0.65 mm. = 60.7 Ohm/km.

2. Insulation resistance when measured on 10 m. of single wire.

(Immersed in water) = 200 Megohm-km.

3. The dielectric of each insulated wire to all other wires

(Immersed in water) = 1.0 kv (AC) 3 seconds.

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