

# BANGKOK TELECOM CO., LTD.

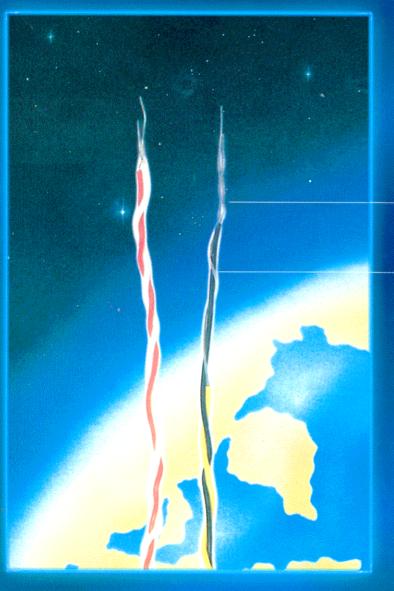
BTS-M-0301







## **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				<u>+</u> 1%	

No. of	Conductor Diameter : 0.50 mm (24 AWG)				
* Cores nominal	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	Conductor Diameter : 0.65 mm (22 AWG)				
Cores nominal	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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