

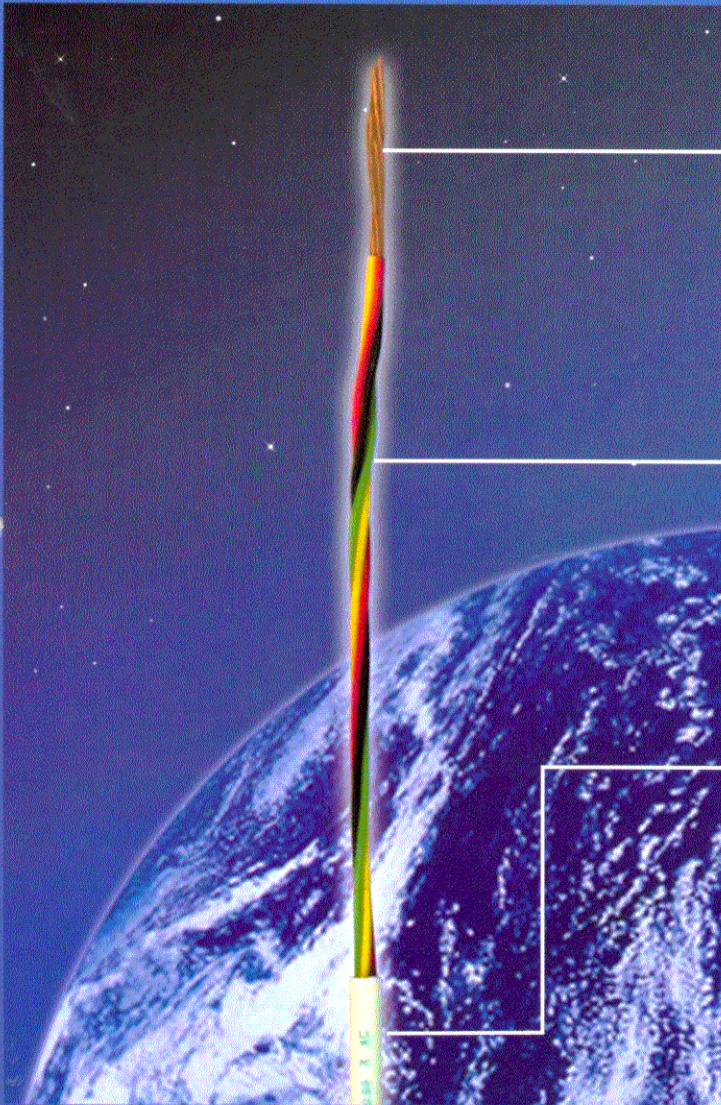
BANGKOK TELECOM CO.,LTD.



BTS-M-027

TIEV-CC OR TIEV

INSIDE-OUTSIDE STATION WIRE



Annealed copper

Polyethylene insulation

Polyvinyl chloride jacket (Gray & Ivory)




GENERAL

This specification covers the requirements of inside-outside station wire used for direct connection from the outside protector to the subscriber's set by The Telephone Organization of Thailand (TOT)

CONSTRUCTION :

- Conductor : Solid annealed bare copper wire, 0.50, 0.65 and 0.90 mm. (24, 22, 19 AWG) in size.
 Insulation : Color coded solid high density polyethylene.
 Twisted Pairs : The insulated conductors are twisted into pairs triple or quad. The four conductors of the quad shall be twisted into a "Spiral configuration with the red and green conductors diagonally four"opposite each other in the quad.

Identification of conductors :

Total Number of Conductor in wire	Construction	Lay up	Colour of Insulation
2	Pair	R  G	Red and Green
3	Triple	R  G Y	Red, Green and Yellow
4	Quad	R  Y B G	Red, Green, Yellow and Black

General : This cable use for inside outside station wire used for direct connection from the outside protector to the subscriber's set.

Jacket : Polyvinyl chloride coloured ivory or gray.

Identification Marker : Manufacturer's name. Type and size, year of manufacture.

No. of Cores nominal	Conductor Diameter : 0.50 mm. (24 AWG)		
	Overall Dia. approx. (mm)	Cable Wt. approx.(kg/km)	Standard Length (m)
2	3	13	100
3	3	15	100
4	3	17	100
5	4	21	100
6	4	24	100

All cable dimensions and weights are subject to manufacturing tolerances.

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	17	100
3	4	21	100
4	4	25	100
5	4	29	100
6	5	35	100

All cable dimensions and weights are subject to manufacturing tolerances.

No. of Cores nominal	Conductor Diameter : 0.90 mm. (19 AWG)		
	Overall Dia. approx. (mm)	Cable Wt. approx.(kg/km)	Standard Length (m)
2	4	29	100
3	5	35	100
4	5	44	100
5	5	52	100
6	6	63	100

All cable dimensions and weights are subject to manufacturing tolerances.

ELECTRICAL CHARACTERISTICS : TIEV-CC OR TIEV

Conductor Diameter mm. (AWG)	0.50 (24)	0.65 (22)	0.90 (19)
1. Conductor resistance at temp. 20 ⁰ C, Max. Ohm/km.	90.2	57.1	28.5
2. Insulation Resistance, Megohm-km Minimum At Temp. 25 ⁰ C With DC. Potential of 100-500 Volts.	16,000	16,000	16,000
3. High Voltage Test (Cond. to Cond.) DC. for 3 sec., Volts. (kv.)	3.0	3.6	4.5



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