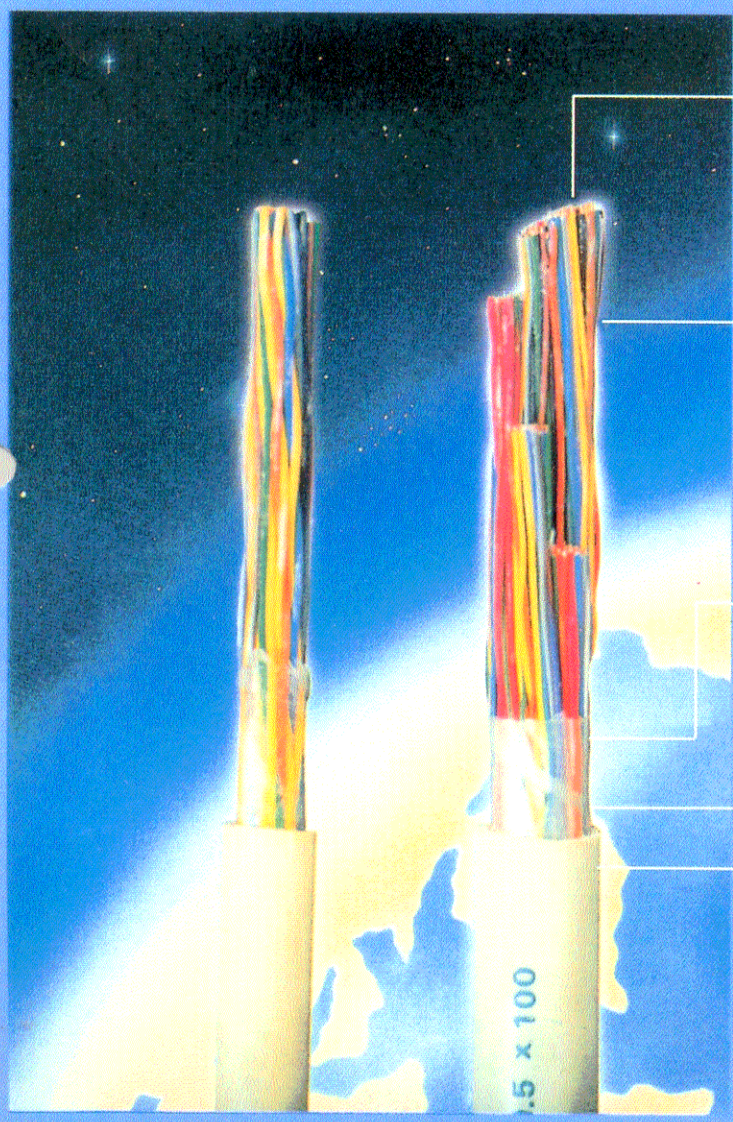
BANGKOK TELECOM CO., LTD.

ISO 9001 ISO 14001 ISO 9001

BTS-M-025, BTS-M-026

TPEV-CC, TPUEV-CC

POLYETHYLENE INSULATION PVC SHEATHED CABLE ANNEALED COPPER CONDUCTOR



GENERAL

This specification covers the requirements of copper conductor, polyethylene insulated and polyvinyl chloride sheathed cable, to be used for connecting subscriber equipments inside the building.

TPEV-CC OR TPUEV-CC

CONSTRUCTION :

Conductor : Solid annealed bare copper wire, 0.40, 0.50, 0.65 and 0.90 mm. (26, 24, 22, 19 AWG) in size.
Insulation : Color coded solid high density polyethylene.
Twisted Pairs : The insulated conductors are twisted into pairs with specified color combinations to provide pairs identification.
Cable Assembly : Cables having 25 pairs and less are assembled in a single group. Cables having more than 25 pairs are assembled in units each being identification by color coded unit binders.
Identification Tape : A tape, indelibly marked with the following details, shall be laid over the cable core or under the outer lapping tape (nonhygroscopic dielectric material)
a. Manufacturers Name
b. Year of Manufacture (Duration of two years)
Or the marking shall be printed on the outer lapping tape. The marking shall appear at intervals not more than 50 cm throughout the cable length.
Core Covering : Nonhygroscopic dielectric tape.
Jacket : Polyvinyl chloride Colored Ivory or Grey.
Identification Marker : Manufacturer's name, year and kind & size.
Remark : TPEV (A), TPEV-CC mean cables having 25 pairs or fewer TPUEV (A), TPUEV-CC mean cables having more than 25 pairs and the pairs are assembled in units.

No. of Pairs nominal	Conductor Diameter : 0.40 mm (26 AWG)		
	Overall Dia. approx. (mm.)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	5	26	500
3	5	32	500
4	6	36	500
5	6	41	500
6	6	44	500
8	6	52	500
10	7	59	500
12	7	66	500
15	8	77	500
16	8	81	500
20	8	95	500
21	9	99	500
25	9	113	500
26	9	118	500
28	9	124	500
30	10	132	500
40	11	165	500
50	12	197	500
60	13	241	500
75	14	290	500
100	16	374	500
150	19	543	500
200	21	699	500
300	27	1,041	500
400	31	1,373	500
500	34	1,678	500

All cable dimensions and weights are subject to manufacturing tolerances.

No. of Pairs nominal	Conductor Diameter : 0.50 mm (24 AWG)		
	Overall Dia. approx. (mm.)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	5	33	500
3	6	40	500
4	6	47	500
5	7	54	500
6	7	59	500
8	7	70	500
10	8	81	500
12	8	92	500
15	9	109	500
16	9	114	500
20	10	136	500
21	10	142	500
25	11	163	500
26	11	169	500
28	11	179	500
30	12	190	500
40	13	253	500
50	15	303	500
60	16	354	500
75	17	429	500
100	20	569	500
150	23	814	500
200	28	1,088	500
300	33	1,599	500

All cable dimensions and weights are subject to manufacturing tolerances.

No. of Pairs nominal	Conductor Diameter : 0.65 mm (22 AWG)		
	Overall Dia. approx. (mm.)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	6	42	500
3	7	53	500
4	7	62	500
5	8	72	500
6	8	81	500
8	9	98	500
10	9	114	500
12	10	131	500
15	10	156	500
16	11	165	500
20	12	198	500
21	12	206	500
25	13	250	500
26	13	260	500
28	14	276	500
30	14	292	500
40	16	373	500
50	18	451	500
60	19	551	500
75	21	669	500
100	25	893	500
150	29	1,272	500
200	34	1,681	500

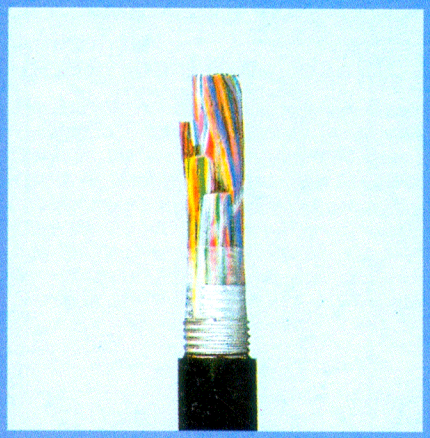
All cable dimensions and weights are subject to manufacturing tolerances.

No. of Pairs nominal	Conductor Diameter : 0.90 mm (19 AWG)		
	Overall Dia. approx. (mm.)	Cable Wt. approx. (kg/km)	Standard Length (m)
2	7	63	500
3	9	83	500
4	9	101	500
5	10	120	500
6	11	136	500
8	11	167	500
10	12	200	500
12	13	242	500
15	15	291	500
16	15	307	500
20	16	371	500
21	17	387	500
25	18	466	500
30	20	551	500
40	22	707	500
50	26	892	500
75	31	1,303	500
100	36	1,714	500

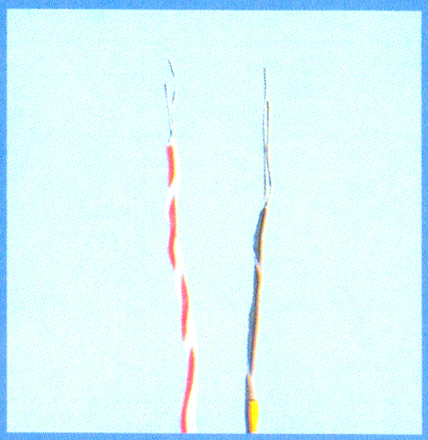
All cable dimensions and weights are subject to manufacturing tolerances.

ELECTRICAL CHARACTERISTICS : TPEV-CC OR TPUEV-CC

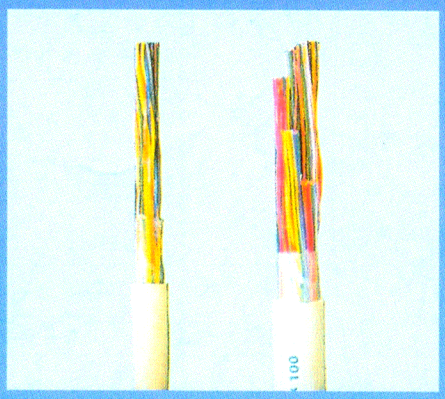
Conductor Diameter mm. (AWG)	0.40 (26)	0.50 (24)	0.65 (22)	0.90 (19)
1. Mutual Capacitance at Frequency 1000 Hz. Average, nF/km	70			
2. Insulation Resistance, Megohm-km Minimum at Temp. 25°c With DC. Potential of 100-500 Volts.	10,000			
3. High Voltage Test (Cond. to Cond.) DC. for 3 sec., Volts.	2,400	3,000	3,600	4,500
4. DC. Conductor Resistance, Ohms/km, at 20°c Maximum	144.4	90.2	57.1	28.5
5. Individual Maximum % Resistance unbalance	5.0	5.0	4.0	4.0



BTS-M-015
ASP-FSF



BTS-M-030
TJV



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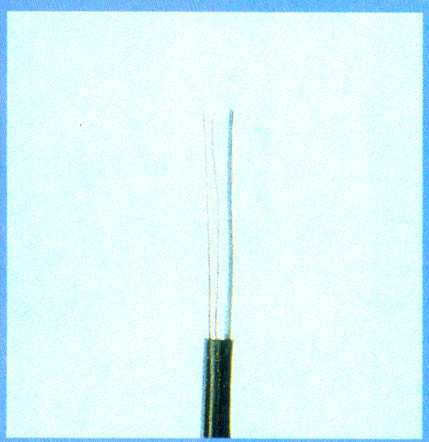
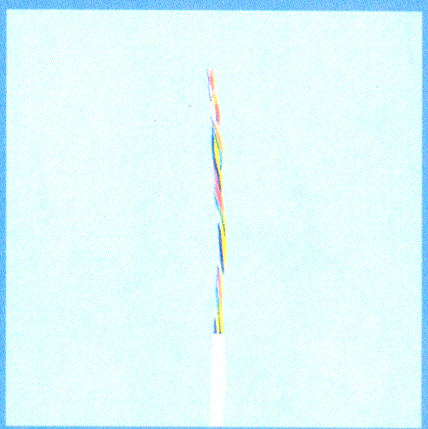


BTS-M-032
S-S DROP WIRE



BTS-M-027
TIEV-CC OR TIEV

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