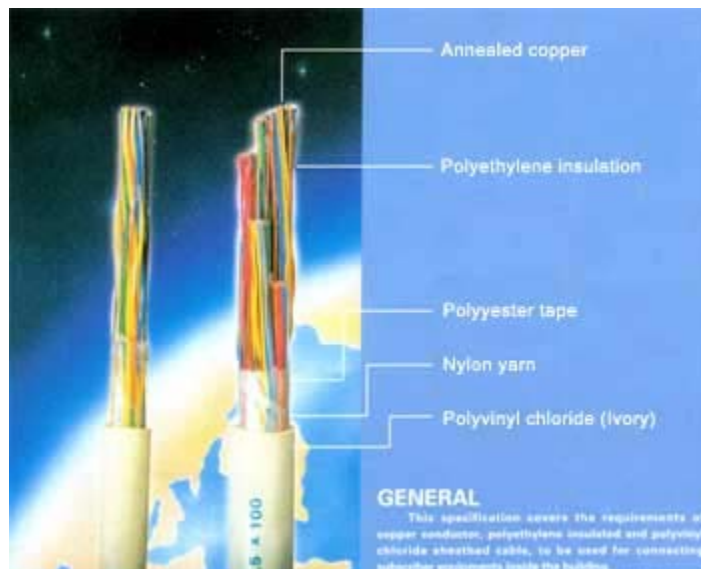


POLYETHYLENE INSULATION PVC SHEATHED CABLE ANNEALED COPPER CONDUCTOR

TPEV-CC, TPUEV-CC

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.



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-CC mean cables having 25 pairs or fewer TPUEV - CC mean cables having more than 25 pairs and the pairs are assembled in units.

No. Of Pair nominal	Conductor Diameter : 0.4 mm		Conductor Diameter : 0.5 mm		Conductor Diameter : 0.65 mm		Conductor Diameter : 0.9 mm	
	Overall Dai Approx(mm)	Standard Length	Overall Dai Approx(mm)	Standard Length	Overall Dai Approx(mm)	Standard Length	Overall Dai Approx(mm)	Standard Length
2	5	500	5	500	6	500	7	500
3	5	500	6	500	7	500	9	500
4	6	500	6	500	7	500	9	500
5	6	500	7	500	8	500	10	500
6	6	500	7	500	8	500	11	500
8	6	500	7	500	9	500	11	500
10	7	500	8	500	9	500	12	500
12	7	500	8	500	10	500	13	500
15	8	500	9	500	10	500	15	500
16	8	500	9	500	11	500	15	500
20	8	500	10	500	12	500	16	500
21	9	500	10	500	12	500	17	500
25	9	500	11	500	13	500	18	500
26	9	500	11	500	13	500	-	-
28	9	500	11	500	14	500	-	-
30	10	500	12	500	14	500	20	500
40	11	500	13	500	16	500	22	500
50	12	500	15	500	18	500	26	500
60	13	500	16	500	19	500	-	-
75	14	500	17	500	21	500	31	500
100	16	500	20	500	25	500	36	500
150	19	500	23	500	29	500	-	-
200	21	500	28	500	34	500	-	-
300	27	500	33	500	-	-	-	-
400	31	500	-	-	-	-	-	-
500	34	500	-	-	-	-	-	-