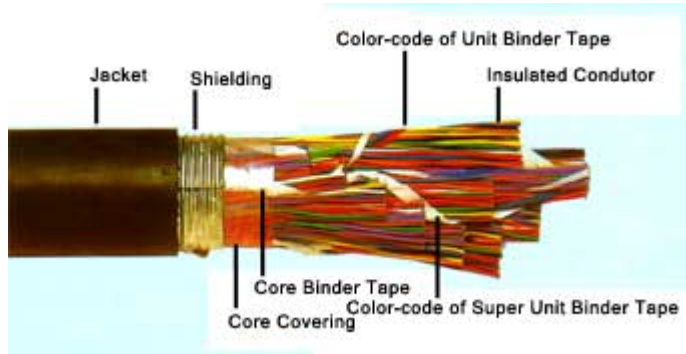


ALPETH SHEATHED CABLE



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).

GENERAL

This specification covers the requirements for polyethylene insulation alpeth sheathed cable, intended for aerial installation by attachment to a separate support strand. The cable shall be used on subscriber and junction line.

OPTION AND OTHER CONSTRUCTIONS

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.

CODE COVERING : Nonhygroscopic dielectric tape.

SHIELDING : A corrugated polyethylene coated 0.2 mm aluminum tape is applied longitudinally with overlap.

OUTER JACKET : High molecular weight, low or medium density polyethylene colored black.

LENGTH MARKER : Each length of cable shall be permanently identified as, manufacturer name, year of manufacturer, type and size of cable, and sequentially number length. The marking shall be printed on the outer jacket. An alternate method of marking may be used if acceptable to the CLIENT.

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 Dia. approx.(mm)	Standard Length(m)	Overall Dia. approx.(mm)	Standard Length(m)	Overall Dia. approx.(mm)	Standard Length(m)	Overall Dia. approx.(mm)	Standard Length(m)
3	8	1,000	9	1,000	10	1,000	12	1,000
4	9	1,000	9	1,000	10	1,000	12	1,000
5	9	1,000	10	1,000	11	1,000	13	1,000
6	9	1,000	10	1,000	11	1,000	14	1,000
10	10	1,000	11	1,000	12	1,000	15	1,000
12	10	1,000	11	1,000	13	1,000	16	1,000
15	11	1,000	12	1,000	13	1,000	17	1,000
16	11	1,000	12	1,000	14	1,000	18	1,000
20	11	1,000	13	1,000	15	1,000	19	1,000
25	12	1,000	14	1,000	16	1,000	21	1,000
30	13	1,000	15	1,000	17	1,000	22	1,000
50	15	1,000	17	1,000	20	1,000	29	1,000
75	17	1,000	20	1,000	23	1,000	33	1,000
100	19	1,000	22	1,000	27	1,000	38	500
150	21	1,000	25	1,000	32	1,000	45	500
200	24	1,000	30	1,000	36	500	51	250
300	29	1,000	36	1,000	43	500	61	250
400	33	1,000	40	500	49	500	70	250
600	39	500	48	500	58	250	-	-
900	47	500	58	250	70	250	-	-
1200	53	250	66	250	-	-	-	-
1500	59	250	73	200	-	-	-	-
1800	64	250	78	200	-	-	-	-

