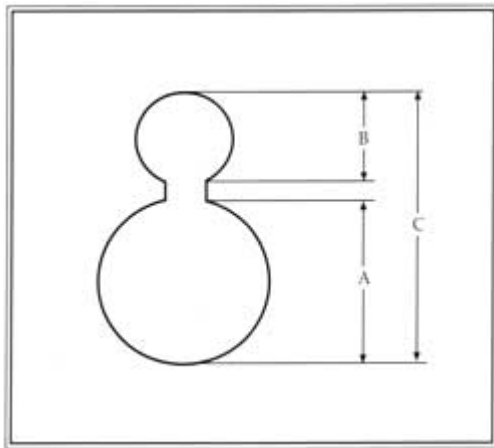
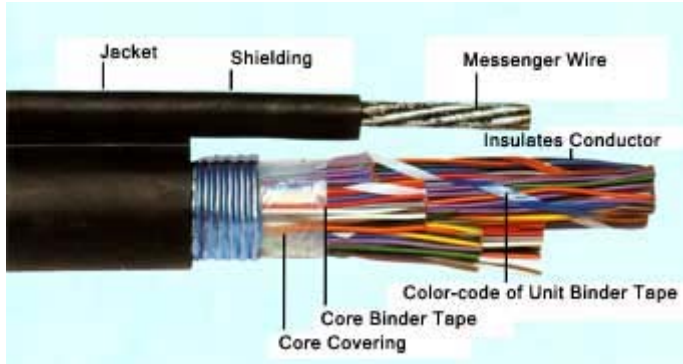


FIGURE 8 ALPETH SHEATHED CABLE

AP(8)



GENERAL

This specification covers the requirements for telephone cable 0.4,0.5,0.65 and 0.9 mm. gauges copper conductor. Fully color coded even count polyethylene insulated twinned until stranded and alpeth sheathed for aerial installation. The cable shall be used on subscriber and junction line.

OPTION AND OTHER CONSTRUCTIONS

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.

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

Messenger Wire : Galvanized steel wire .No. of wire x Dia. of wire 7 x 2.03 mm.

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 use if acceptable to the Client.

OPTION AND OTHER CONSTRUCTIONS

Cables of other conductor size or having other mutual capacitance than shown in this catalogue are available on request.

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.(mm).(AXBXCX)	Standard Length(m)	Overall Dia.(mm).(AXBXCX)	Standard Length(m)	Overall Dia.(mm).(AXBXCX)	Standard Length(m)	Overall Dia.(mm).(AXBXCX)	Standard Length(m)
10	9.7x9.6x21.9	1,000	10.8x9.6x23.0	1,000	12.1x9.6x24.4	1,000	15.3x9.6x27.6	1,000
12	10.0x9.6x22.2	1,000	11.2x9.6x23.4	1,000	12.6x9.6x24.9	1,000	15.9x9.6x28.2	1,000
15	10.5x9.6x22.7	1,000	11.9x9.6x24.2	1,000	13.4x9.6x25.7	1,000	27.2x9.6x29.5	1,000
20	11.3x9.6x23.5	1,000	12.9x9.6x25.2	1,000	14.7x9.6x27.0	1,000	19.0x9.6x31.4	1,000
25	12.0x9.6x24.3	1,000	13.8x9.6x26.1	1,000	15.8x9.6x28.1	1,000	20.6x9.6x33.0	1,000
30	12.7x9.6x25.0	1,000	14.5x9.6x26.8	1,000	16.8x9.6x29.1	1,000	22.0x9.6x34.5	500
40	13.8x9.6x26.1	1,000	16.0x9.6x28.3	1,000	18.5x9.6x30.8	1,000	24.6x9.6x37.0	500
50	14.8x9.6x27.1	1,000	17.2x9.6x29.5	1,000	20.1x9.6x32.5	1,000	28.6x9.6x41.0	500
75	16.9x9.6x29.2	1,000	19.9x9.6x32.2	1,000	23.4x9.6x35.8	1,000	33.4x9.6x45.8	500
100	18.6x9.6x30.9	1,000	22.1x9.6x34.4	500	27.2x9.6x39.6	500	38.2x9.6x50.6	500
150	21.2x9.6x33.5	500	25.3x9.6x37.6	500	31.8x9.6x44.2	500	-	-
200	23.6x9.6x35.9	500	30.1x9.6x42.4	500	36.1x9.6x48.5	500	-	-
300	29.4x9.6x41.7	500	35.7x9.6x48.0	500	-	-	-	-
400	32.9x9.6x45.2	500	40.3x9.6x52.6	500	-	-	-	-
600	39.4x9.6x51.7	500	-	-	-	-	-	-