

CCP-LAP

POLYETHYLENE INSULATED POLYVINYL CHLORIDE SHEATHED INTERCOM CABLES

Product Description:

Conductor:

- Solid annealed copper wire in size 0.4mm~0.9mm

Insulation:

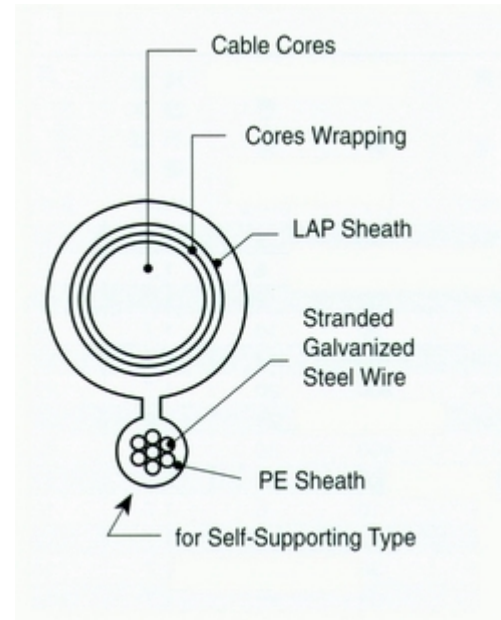
- Color Code Polyethylene

Quadding:

- Four insulated conductors are twisted into a quad

Cable Formation:

- 200 pairs or less:
10 pairs sub-units shall be assembled with five quads and a spiral polyester color tape.
- 300 pairs or more:
50 pairs unit shall be assembled with five 10 pairs sub-units and a spiral polyester color tape, the direction of the sub-units layer shall be in the Z direction or alternating using SZ strand. All the 50 pairs units shall be assembled together to form a compact and circular cable cores.



Cable Core Wrapping:

- With a non-hygroscopic tape

Filling Compound:

- Water resistant filling compound.

LAP Sheath:

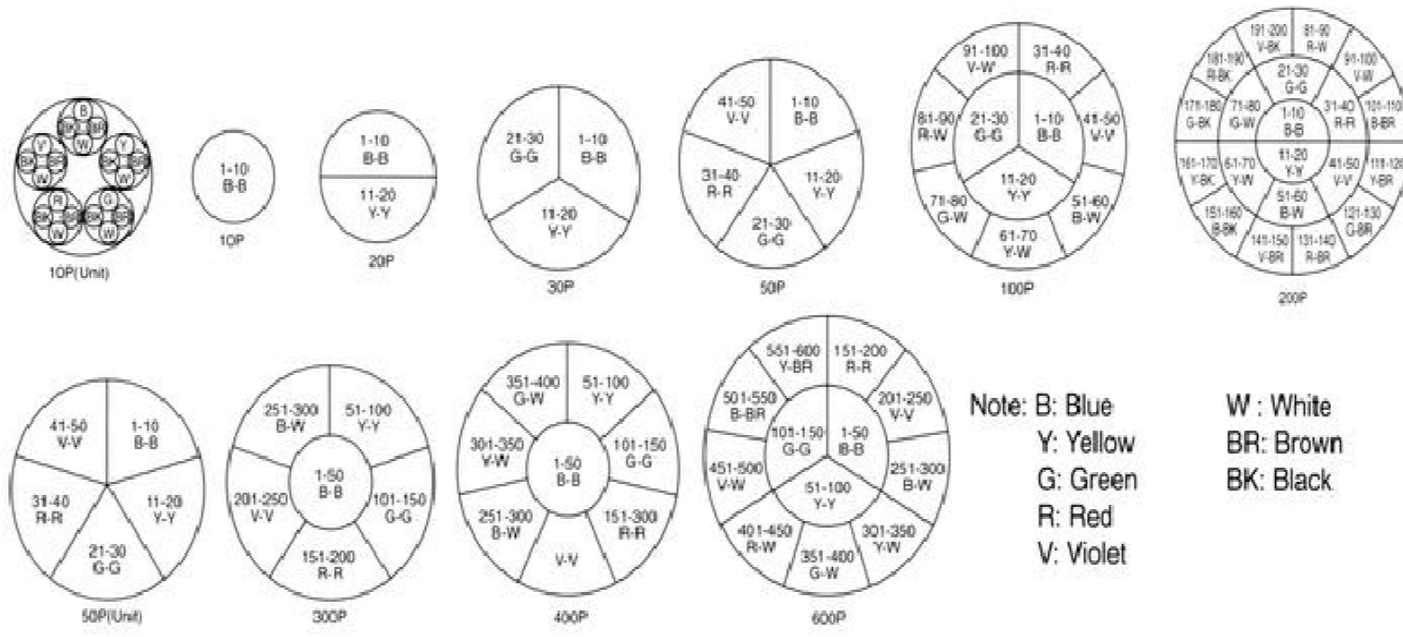
- A copolymer coated aluminum screen tape shall be longitudinally folded around the wrapping tape of the cable cores.
- A moisture barrier polyethylene shall be extruded on the aluminum screen tape to form a LAP sheath layer.

ELECTRICAL CHARACTERISTIC AT 20°C

Item	Conductor diameter (mm)				
	0.4	0.5	0.65	0.9	
Conductor Resistance (Ω /Km)	nominal value	139.0	88.7	52.5	27.4
	Maximum value	147.5	93.5	56.5	29.0
Min. Insulation Resistance (M Ω /Km)		5000			
Mutual capacitance (1KHz) nF/Km	50 pairs or more	Average value: 55 (Max)			
	30 pairs or less	Average value: 60 (Max)			
Dielectric Strength (V/min)	cond. to earth	AC 350/1 or DC 500/1			

Cable Dimension

Conductor Diameter	Number Of Pairs	Core Diameter	LAP sheath Thickness	CCP-ALP		CCP-LAP Self-Supporting Type				
				O.D. (Approx.)	Approx. Weight	Connector	Stranded Galvanized Steel Wire		O.D. (Approx.)	Approx. Weight
							Cores Diameter	Sheath Thickness		
mm	P	mm	mm	mm	g	mm		mm	Mm	g
0.4	10	5	1.7	10	95	2X2	7/1.8	1.0	10X19	255
	20	8	1.7	11	120	2X2	7/1.8	1.0	11X20	295
	30	9	1.7	12	155	2X2	7/1.8	1.0	12X21	330
	50	10	1.7	14	230	2X2	7/1.8	1.0	14X24	405
	100	14	1.7	17	390	2X2	7/1.8	1.0	17X27	565
	200	20	1.7	23	705	2X2	7/2.0	1.0	23X33	915
	300	25	1.9	28	1045	-	-	-	-	-
	400	30	2.0	32	1375	-	-	-	-	-
0.5	10	6	1.7	10	100	2X2	7/1.8	1.0	10X20	275
	20	9	1.7	12	160	2X2	7/1.8	1.0	12X22	335
	30	11	1.7	14	210	2X2	7/1.8	1.0	14X23	385
	50	12	1.7	16	315	2X2	7/1.8	1.0	16X25	490
	100	17	1.7	21	515	2X2	7/2.0	1.0	21X31	725
	200	23	1.8	27	1025	3X3	7/2.3	1.2	27X38	1315
	300	30	2.0	33	1545	-	-	-	-	-
	400	36	2.1	37	2020	-	-	-	-	-
0.65	10	7	1.7	12	150	2X2	7/1.8	1.0	12X22	330
	20	11	1.7	15	240	2X2	7/1.8	1.0	15X25	420
	30	13	1.7	17	340	2X2	7/1.8	1.0	17X27	520
	50	15	1.7	21	510	2X2	7/2.0	1.0	21X31	720
	100	21	1.8	27	930	3X3	7/2.3	1.2	27X39	1220
	200	29	2.0	36	1740	-	-	-	-	-
	300	36	2.2	41	2600	-	-	-	-	-
	400	42	2.3	50	3350	-	-	-	-	-
0.9	10	10	1.7	15	240	2X2	7/1.8	1.0	15X24	420
	20	14	1.7	18	390	2X2	7/1.8	1.0	18X28	600
	30	17	1.7	23	580	2X2	7/2.0	1.0	23X33	790
	50	21	1.8	27	900	3X3	7/2.3	1.2	27X39	1185
	100	30	2.0	36	1670	-	-	-	-	-

Cable Cores Construction


EVERTOP