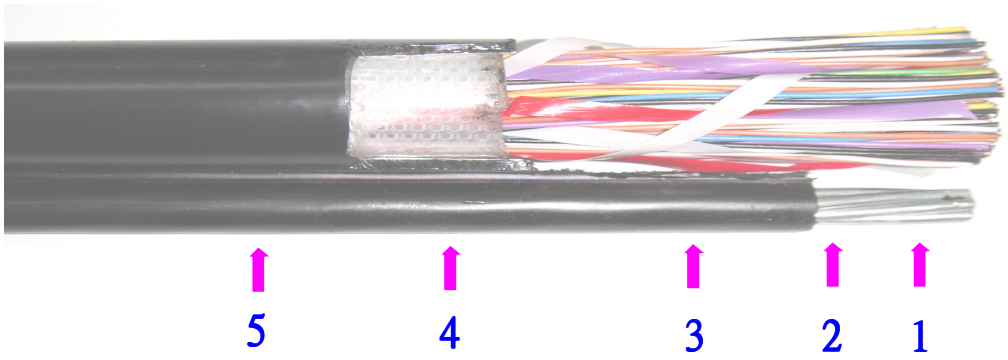
POLYETHYLENE INSULATED CABLES (CCP-LAP-SS)

Application：It suitable for aerial.

Construction：



❶ Messenger wire：High strength galvanized steel wires

❷ Cable core

Conductor：Solid annealed copper

Insulation：Polyethylene

❸ Core binder：Color polyester tape.

❹ Covering: Nonhygroacopic plastic tape and mylar tape

❺ Sheath: Laminated aluminum tape and polyethylene

Characteristic：

- ◆ Polyethylene insulation, with better electrical properties.
- ◆ Small outer diameter , low cost.

Construction

Size 0.4mm、0.5mm and 0.65mm

Conductor diameter	Pairs	Insulation thickness nom.	Cable core diameter nom.	Sheath thickness nom.	Web nom.	Messenger wire		Overall diameter approx.	Cable weight Approx	Cable length
						Dimension	sheath thickness			
(mm)	(P)	(mm)	(mm)	(mm)	(mm×mm)	(no/mm)	(mm)	(mm×mm)	(kg/m)	(m)
0.4	10P	0.13	5	1.7	2×2	7/1.8	1.0	10×19	0.225	1000
	20P		7	1.7	2×2	7/1.8	1.0	11×20	0.295	1000
	30P		8	1.7	2×2	7/1.8	1.0	12×21	0.330	1000
	50P		10	1.7	2×2	7/1.8	1.0	14×24	0.405	500
	100P		13	1.7	2×2	7/1.8	1.0	17×27	0.565	500
	200P		19	1.7	2×2	7/2.0	1.0	23×33	0.915	500
0.5	10P	0.15	6	1.7	2×2	7/1.8	1.0	10×20	0.275	1000
	20P		8	1.7	2×2	7/1.8	1.0	12×22	0.335	1000
	30P		9	1.7	2×2	7/1.8	1.0	14×23	0.385	1000
	50P		12	1.7	2×2	7/1.8	1.0	16×25	0.490	500
	100P		17	1.7	2×2	7/2.0	1.0	21×31	0.725	500
	200P		22	1.8	3×3	7/2.3	1.2	27×28	1.315	500
0.65	10P	0.20	7	1.7	2×2	7/1.8	1.0	12×22	0.330	1000
	20P		11	1.7	2×2	7/1.8	1.0	15×25	0.420	1000
	30P		13	1.7	2×2	7/1.8	1.0	17×21	0.520	1000
	50P		15	1.7	2×2	7/2.0	1.0	20.5×31	0.720	500
	100P		21	1.8	3×3	7/2.3	1.2	27×38.5	1.220	500

◆ ELECTRICAL PROPERTIES：

Conductor resistance	0.4mm：nom. 139.0Ω/km 、max. 147.5Ω/km 0.5mm：nom. 88.7Ω/km、max. 93.5Ω/km 0.65mm：nom. 52.5Ω/km、max. 56.5Ω/km
Dielectric strength	D.C. 500V/1 min. or A.C. 350V/1 min.
Insulation resistance	min. 5,000MΩ-km
Mutual capacitance	≧ 50P ：max. 55nF/km ≦30P ：max. 60nF/km
Near end cross-talk (40KHz)	200P： (1) Each unit of second small value not less than 58.5dB, among each unit allow one a minimum value not less than 50dB. (2) Each reel cables all unit of the minimum value of average not less than 62dB. (3) Each reel total average not less than 66dB. 100P below (1) Each reel of the minimum value not less than 58.5dB. (2) Each reel total average not less than 66dB
Far end cross-talk (160KHz)	(1) m-1.28×S≧55dB/km above (2) individual minimum value not less than 38dB/km m : average , S : standard deviation
Spark test of sheath	D.C 3000V/1 min. or A.C 2000V/1 min.