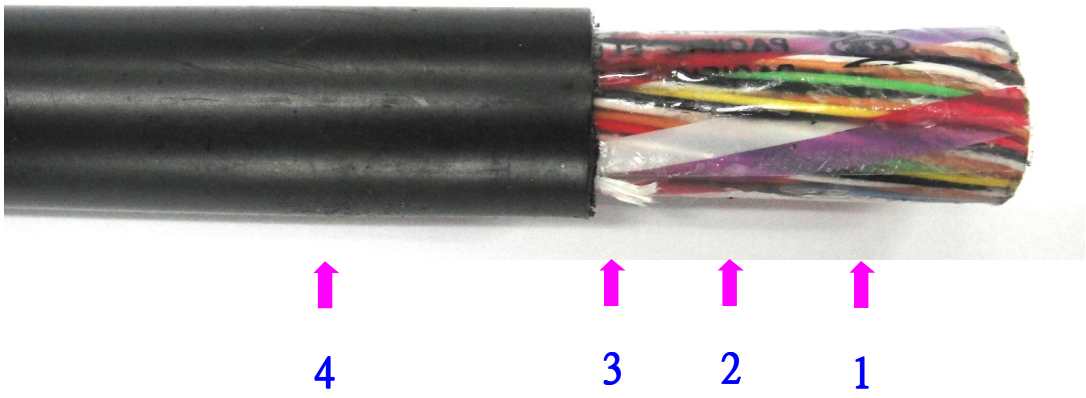
SOLID POLYETHYLENE , FOAMED OR FOAM-SKIN　POLYETHYLENE JELLY FILLED CABLES (F/S-JF-LAP)

Application：The cable is foam-skin polyethylene insulated, quad unit type, jelly filled, laminated sheath telephone cable. The cable is designed for use in subscibers distribution.It features excellent blocking performace for water penetrated and can be installed aerially or undergound in ducts.

Construction：



❶ Conductors-Soild annealed copper wire
Insulation-Foam-skin polyethylene
Layering - Color polyester tape binder.
❷ Identification tape - Numbering mylar tape
Wrapping-Mylar tape
❸ Core covering-Water blocking yarn
❹ Sheath- Laminated Aluminum type and polyethylene

Property：

- The foam/skin polyethylene insulate is designed to provide the best electrical properties.
- Have good mechanical and electrical characteristics.
- Provide flexibility and easy to installation.

Specification：0.4mm、0.5mm、0.65mm，data sheet

Conductor diameter (mm)	Pairs (P)	Insulation thickness (mm)	Cable core diameter approx. (mm)	Sheath thickness (mm)	Overall diameter approx. (mm)	Cable weight approx. (kg/m)	Cable length (m)
0.4	10	0.13	6	1.7	10	0.10	500
	20		8	1.7	12	0.18	500
	30		9	1.7	13	0.23	500
	50		11	1.7	15	0.33	500
	100		15	1.7	19	0.51	500
	200		21	1.7	25	0.90	500
	300		25	1.9	29	1.36	500
	400		29	2.0	34	1.70	500
	600		35	2.2	40	2.46	500
0.5	10	0.15	7	1.7	11	0.14	500
	20		9	1.7	13	0.23	500
	30		11	1.7	15	0.30	500
	50		13	1.7	17	0.41	500
	100		18	1.7	22	0.74	500
	200		24	1.8	28	1.30	500
	300		30	2.0	35	1.98	500
	400		34	2.1	39	2.60	500
	600		41	2.3	47	3.62	500
0.65	10	0.20	8	1.7	12	0.18	500
	20		11	1.7	15	0.33	500
	30		13	1.7	17	0.43	500
	50		16	1.7	20	0.63	500
	100		23	1.8	27	1.10	500
	200		31	2.0	36	2.10	500
	300		37	2.2	42	3.15	500
	400		42	2.3	48	4.00	500
	600		51	2.6	57	5.80	345

◆ 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	Between each insulation conductor and ground：D.C. 500V/1min. or A.C. 350V/1min., the cable shall be normal. Between aluminum and ground：A.C. 1000V/1 min., the cable shall be normal.
Insulation resistance	min.5,000MΩ-km.
Mutual capacitance	≧50P：max. ave. 55nF/km. ≦30P：max. ave. 60nF/km.
Near end cross-talk (40KHz)	200P to 600P, cable length more than 300m： (1)Each unit of the second worse value not less than 58.5dB, among each unit allow one a minimum value not less than 50dB. (2)Each reel cable all unit of the minimum value of average not less than 62dB. (3)Each reel total average not less than 66dB. ＜100P, cable length more than 300m： (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)	Cable length 1000m： (1)m-1.28×S≧55dB/km. (2) individual minimum value not less than 38dB/km. m：average，S：standard deviation
Aluminum resistance	Max.62.5/D Ω/km (D is the inside diameter of laminated aluminum sheath).
Spark test of sheath	D.C. 3000V/1min. or A.C. 2000V/1, the cable shall be normal.