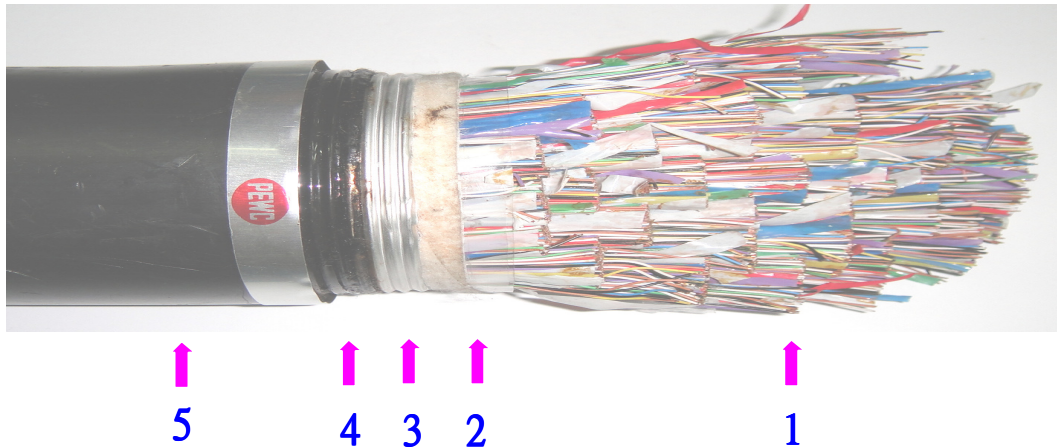


## FOAM/SKIN POLYETHYLENE INSULATED STALPETH SHEATHED CABLES (F/S-STALPETH)

Application : It suitable for trunking between telephone offices and feeding between telephone offices and subscribers.

Construction :



❶ Cable core

Conductor: Solid annealed copper

Insulation: Foam-Skin polyethylene

❷ Covering: Mylar tape and Non-woven water blocking tape.

❸ Shield: Corrugated aluminum tape

❹ Armour: Steel tape with anti-corrosion compound

❺ Sheath: Polyethylene

Characteristic :

- ◆ Foam/skin polyethylene insulation, with better electrical properties.
- ◆ Lighter weight.
- ◆ Flexible to handle, easily construction.

Construction :

Size 0.4mm 、 0.5mm and 0.65mm

Conductor diameter	Pairs	Insulation thickness nom.	Cable core diameter	Sheath thickness nom.	Overall diameter approx.	Cable weight approx	Cable length
(mm)	(P)	(mm)	(mm)	(mm)	(mm)	(kg/m)	(m)
0.4	400	0.11	26	1.5	42	3.09	500
	600		31	1.6	47	3.95	500
	800		35	1.8	55	5.32	250
	1000		40	1.9	60	6.17	250
	1200		43	2.0	64	7.07	250
	1400		47	2.1	67	7.87	250
	1600		50	2.2	71	8.64	250
	1800		52	2.3	73	9.36	250
	2000		54	2.4	75	10.07	250
	2200		57	2.5	78	10.80	250
	2400		59	2.5	80	11.50	250
	2600		61	2.6	82	12.15	250
	2800		64	2.7	86	12.96	250
	3000		66	2.8	88	13.70	250
3200	68	3.0	90	14.43	250		
0.5	400	0.13	31	1.6	48	3.96	500
	600		38	1.8	57	5.77	250
	800		42	1.9	62	6.94	250
	1000		48	2.1	68	8.19	250
	1200		53	2.3	73	9.46	250
	1400		57	2.5	78	10.60	250
	1600		60	2.5	82	11.68	250
	1800		63	2.6	85	12.72	250
	2000		66	2.8	88	13.79	250
	2200		69	3.0	91	14.89	250
	2400		72	3.0	94	15.86	250
0.65	400	0.15	38	1.8	58	6.09	250
	600		47	2.1	67	8.16	250
	800		53	2.3	73	9.97	250
	1000		59	2.5	80	11.83	250
	1200		65	2.8	86	13.64	250
	1400		70	3.0	92	15.50	250

◆ 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	nom. 50nF/km 、 ave. 50±5nF/km
Near end cross-talk (40KHz)	(1) Each unit of second worst 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.
Far end cross-talk (160KHz)	(1). $m-1.28 \times S \geq 55\text{dB/km}$ above (2) individual minimum value not less than 38dB/km m: average , S: standard deviation
Pinhole test of sheath	D.C. 3000V/1min. or A.C. 2000V/1min.
Pressurization	600±100g/cm <sup>2</sup> (8.53±1.42PSI) after 12hrs The measured value shall be under -10°C