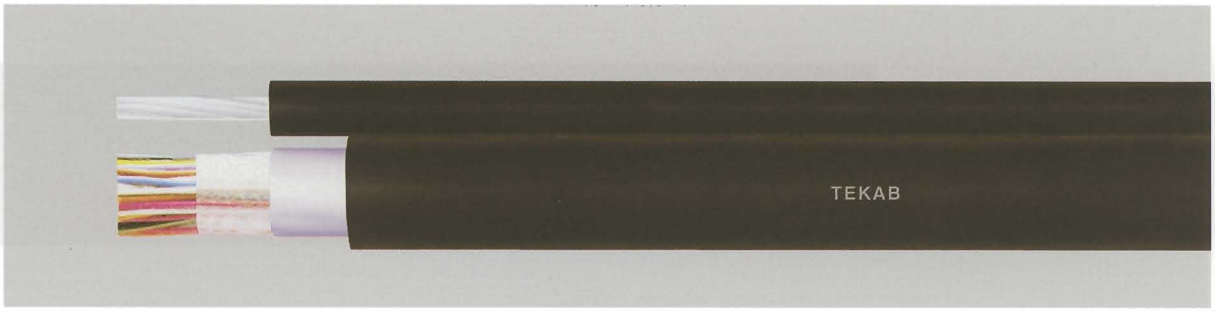

AERIAL JELLY FILLED TELEPHONE CABLES

Description : Polyethylene insulated, Petroleum Jelly Filled, Polyethylene sheathed along with steel messenger

Construction

- Conductor : Solid bare annealed copper wire of nominal diameter 0.4, 0.5, 0.65 or 0.9 mm
- Insulation : Solid, cellular or foam-skin polyolefin material*
- Identification : Colour coded (see Technical Appendix)
- Twisting : Two conductors are twisted into pair
- Stranding : In sub units of 5 or 10 pairs in units of 50 or 100 pairs, and units of 50 or 100 pair of cables of more than 100 pairs
- Longitudinal watertightness : by filling the interstices of the cores with petroleum jelly compound
- Moisture barrier : Screen of longitudinally applied smooth copolymer coated aluminum tape
- Messenger : Strand of galvanized steel wires
- Sheath : Black weather resistant PE

Specification : to IEC 60708

Characteristics: Dielectric strength : 500V
: Min Insulation Resistance at 20°C : 1500MΩ.km
: Max Individual Mutual Capacitance : 64 nF/km
: Max average Mutual Capacitance for cables more than or equal to 20 pairs : 56 nF/km
: Max Capacitance unbalance at 800 Hz per 500m length of cable : 275 pF
: Max Conductor loop Resistance at 20°C

size, mm	0.4	0.5	0.65	0.9
Resistance, Ω / km:	300	191.8	114	60

Technical Data

Conductor Diameter : 0.4 mm

Number of Pairs	Msngr. Dim. Nr x Dia.	Approx O.D mm	Approx Weight kg/km	Code Number
10	7 X 0.9	16 X 8.0	136	MFSTE 10 X 2 X 0.4
20	7 X 0.9	18 X 9.5	180	MFSTE 20 X 2 X 0.4
30	7 X 1.2	20 X 10.9	255	MFSTE 30 X 2 X 0.4
50	7 X 1.2	22 X 13	335	MFSTE 50 X 2 X 0.4
70	7 X 1.2	24 X 15	410	MFSTE 70 X 2 X 0.4
100	7 X 1.2	26 X 17.0	520	MFSTE 100 X 2 X 0.4
150	7 X 1.6	30 X 19.9	760	MFSTE 150 X 2 X 0.4
200	7 X 1.6	34 X 23.5	970	MFSTE 200 X 2 X 0.4

Conductor Diameter : 0.5 mm

Number of Pairs	Msngr. Dim. Nr x Dia.	Approx O.D mm	Approx Weight kg/km	Code Number
10	7 X 0.9	17 X 9.0	160	MFSTE 10 X 2 X 0.5
20	7 X 0.9	19 X 10.9	220	MFSTE 20 X 2 X 0.5
30	7 X 1.2	22 X 12.5	310	MFSTE 30 X 2 X 0.5
50	7 X 1.2	24 X 15.5	430	MFSTE 50 X 2 X 0.5
70	7 X 1.2	26 X 17.4	530	MFSTE 70 X 2 X 0.5
100	7 X 1.2	29 X 20.0	695	MFSTE 100 X 2 X 0.5
150	7 X 1.6	35 X 25	1060	MFSTE 150 X 2 X 0.5
200	7 X 1.6	38 X 28.2	1325	MFSTE 200 X 2 X 0.5

Conductor Diameter : 0.65 mm

Number of Pairs	Msngr. Dim. Nr x Dia.	Approx O.D mm	Approx Weight kg/km	Code Number
10	7 X 1.2	20 X 10	250	MFSTE 10 X 2 X 0.65
20	7 X 1.2	22 X 13.5	335	MFSTE 20 X 2 X 0.65
30	7 X 1.2	25 X 15.5	435	MFSTE 30 X 2 X 0.65
50	7 X 1.2	28 X 19	625	MFSTE 50 X 2 X 0.65
70	7 X 1.6	32 X 22.2	870	MFSTE 70 X 2 X 0.65
100	7 X 1.6	37 X 26.5	1170	MFSTE 100 X 2 X 0.65
150	7 X 1.6	42 X 31.5	1642	MFSTE 150 X 2 X 0.65
200	7 X 1.6	47 X 36.4	2112	MFSTE 200 X 2 X 0.65

Conductor Diameter : 0.9 mm

Number of Pairs	Msngr. Dim. Nr x Dia.	Approx O.D mm	Approx Weight kg/km	Code Number
10	7 X 1.2	22 X 13.5	335	MFSTE 10 X 2 X 0.9
20	7 X 1.2	26 X 16.5	510	MFSTE 20 X 2 X 0.9
30	7 X 1.2	29 X 20	680	MFSTE 30 X 2 X 0.9
50	7 X 1.6	36 X 25	1120	MFSTE 50 X 2 X 0.9
70	7 X 1.6	40 X 30	1465	MFSTE 70 X 2 X 0.9
100	7 X 1.6	45 X 34	1995	MFSTE 100 X 2 X 0.9
150	7 X 2.0	53 X 41.5	2935	MFSTE 150 X 2 X 0.9

*Above code is for foam skin insulation "M" • If Solid PE insulation: EFSTE --- X 2 X (Conductor Size) • If Cellular PE insulation : CFSTE --- X 2 X (Conductor Size)