



TEKAB

AERIAL JELLY FILLED ARMoured TELEPHONE CABLES

Description : Polyethylene insulated, Petroleum Jelly Filled, Double steel tape armoured, 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
- Inner Sheath : Black PE
- Armour : Double steel tape helically applied
- 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	21 X 12	300	MFSATE 10 X 2 X 0.4
20	7 X 0.9	23 X 13.7	355	MFSATE 20 X 2 X 0.4
30	7 X 1.2	24 X 15	407	MFSATE 30 X 2 X 0.4
50	7 X 1.2	26 X 17.1	520	MFSATE 50 X 2 X 0.4
70	7 X 1.2	28 X 18.8	615	MFSATE 70 X 2 X 0.4
100	7 X 1.2	30 X 21	750	MFSATE 100 X 2 X 0.4
150	7 X 1.6	35 X 25	1060	MFSATE 150 X 2 X 0.4
200	7 X 1.6	39 X 28.1	1305	MFSATE 200 X 2 X 0.4

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	24 X 14.7	395	MFSATE 10 X 2 X 0.65
20	7 X 1.2	27 X 17.3	525	MFSATE 20 X 2 X 0.65
30	7 X 1.2	29 X 19.4	645	MFSATE 30 X 2 X 0.65
50	7 X 1.2	33 X 24	920	MFSATE 50 X 2 X 0.65
70	7 X 1.6	37 X 27.1	1190	MFSATE 70 X 2 X 0.65
100	7 X 1.6	42 X 31.5	1555	MFSATE 100 X 2 X 0.65
150	7 X 1.6	47 X 36	2100	MFSATE 150 X 2 X 0.65
200	7 X 1.6	52 X 41	2635	MFSATE 200 X 2 X 0.65

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	22 X 13	325	MFSATE 10 X 2 X 0.5
20	7 X 0.9	21 X 15	410	MFSATE 20 X 2 X 0.5
30	7 X 1.2	26 X 16.5	490	MFSATE 30 X 2 X 0.5
50	7 X 1.2	28 X 19.1	635	MFSATE 50 X 2 X 0.5
70	7 X 1.2	32 X 22	830	MFSATE 70 X 2 X 0.5
100	7 X 1.2	35 X 25	1030	MFSATE 100 X 2 X 0.5
150	7 X 1.6	40 X 21.1	1415	MFSATE 150 X 2 X 0.5
200	7 X 1.6	43 X 33.2	1745	MFSATE 200 X 2 X 0.5

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	26 X 17.1	520	MFSATE 10 X 2 X 0.9
20	7 X 1.2	30 X 21	740	MFSATE 20 X 2 X 0.9
30	7 X 1.2	34 X 25	970	MFSATE 30 X 2 X 0.9
50	7 X 1.6	40 X 30	1480	MFSATE 50 X 2 X 0.9
70	7 X 1.6	45 X 34	1900	MFSATE 70 X 2 X 0.9
100	7 X 1.6	50 X 39	2500	MFSATE 100 X 2 X 0.9
150	7 X 2.0	60 X 47.2	3615	MFSATE 150 X 2 X 0.9

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