



TEKAB

JELLY FILLED TELEPHONE DIRECT BURIAL CABLES

Description : Polyethylene insulated, Petroleum Jelly Filled, Double Steel Tape Armoured
Polyethylene sheathed

Construction

- Conductor : Solid bare annealed copper wire of nominal diameter 0.4, 0.5, 0.6 or 0.8 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
- 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	0.6	0.8
Resistance, Ω / km:	300	191.8	133.2	73.6

Technical Data

Conductor Diameter : 0.4 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	12	190	MFSAE 10 X 2 X 0.4
20	14	240	MFSAE 20 X 2 X 0.4
30	15	300	MFSAE 30 X 2 X 0.4
50	18	400	MFSAE 50 X 2 X 0.4
70	20	500	MFSAE 70 X 2 X 0.4
100	23	650	MFSAE 100 X 2 X 0.4
150	25	880	MFSAE 150 X 2 X 0.4
200	30	1090	MFSAE 200 X 2 X 0.4
300	32	1522	MFSAE 300 X 2 X 0.4
400	38	1990	MFSAE 400 X 2 X 0.4
500	45	2915	MFSAE 500 X 2 X 0.4
600	48	3350	MFSAE 600 X 2 X 0.4
800	50	4185	MFSAE 800 X 2 X 0.4
900	55	4630	MFSAE 900 X 2 X 0.4
1000	58	5035	MFSAE 1000 X 2 X 0.4
1200	60	5880	MFSAE 1200 X 2 X 0.4

Conductor Diameter : 0.5 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	14	230	MFSAE 10 X 2 X 0.5
20	15	300	MFSAE 20 X 2 X 0.5
30	18	380	MFSAE 30 X 2 X 0.5
50	20	535	MFSAE 50 X 2 X 0.5
70	23	680	MFSAE 70 X 2 X 0.5
100	25	895	MFSAE 100 X 2 X 0.5
150	30	1240	MFSAE 150 X 2 X 0.5
200	35	1565	MFSAE 200 X 2 X 0.5
300	40	2250	MFSAE 300 X 2 X 0.5
400	48	3435	MFSAE 400 X 2 X 0.5
500	51	4080	MFSAE 500 X 2 X 0.5
600	55	4755	MFSAE 600 X 2 X 0.5
800	62	6050	MFSAE 800 X 2 X 0.5
900	65	6685	MFSAE 900 X 2 X 0.5
1000	70	7295	MFSAE 1000 X 2 X 0.5

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



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Conductor Diameter : 0.6 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	15	270	MFSAE 10 X 2 X 0.6
20	17	370	MFSAE 20 X 2 X 0.6
30	20	485	MFSAE 30 X 2 X 0.6
50	22	680	MFSAE 50 X 2 X 0.6
70	25	890	MFSAE 70 X 2 X 0.6
100	30	1190	MFSAE 100 X 2 X 0.6
150	35	1645	MFSAE 150 X 2 X 0.6
200	40	2160	MFSAE 200 X 2 X 0.6
300	48	3620	MFSAE 300 X 2 X 0.6
400	55	4575	MFSAE 400 X 2 X 0.6
500	60	5510	MFSAE 500 X 2 X 0.6
600	65	6395	MFSAE 600 X 2 X 0.6
800	72	8215	MFSAE 800 X 2 X 0.6

Conductor Diameter : 0.8 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	17	365	MFSAE 10 X 2 X 0.8
20	20	550	MFSAE 20 X 2 X 0.8
30	25	725	MFSAE 30 X 2 X 0.8
50	28	1065	MFSAE 50 X 2 X 0.8
70	32	1405	MFSAE 70 X 2 X 0.8
100	37	1960	MFSAE 100 X 2 X 0.8
150	45	3300	MFSAE 150 X 2 X 0.8
200	52	4145	MFSAE 200 X 2 X 0.8
300	62	5825	MFSAE 300 X 2 X 0.8
400	69	7410	MFSAE 400 X 2 X 0.8
500	75	9002	MFSAE 500 X 2 X 0.8

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