



TEKAB

JELLY FILLED TELEPHONE DUCT CABLES

Description : Polyethylene insulated, Petroleum Jelly Filled, 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
- 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

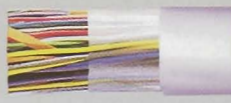
size, mm	0.4	0.5	0.6	0.8
Resistance, Ω / km:	300	191.8	133.2	73.6

Technical Data

Conductor Diameter : 0.4 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	9	82	MFSE 10 X 2 X 0.4
20	10	120	MFSE 20 X 2 X 0.4
30	11	160	MFSE 30 X 2 X 0.4
50	14	240	MFSE 50 X 2 X 0.4
70	15	315	MFSE 70 X 2 X 0.4
100	18	435	MFSE 100 X 2 X 0.4
150	22	630	MFSE 150 X 2 X 0.4
200	25	825	MFSE 200 X 2 X 0.4
300	30	1195	MFSE 300 X 2 X 0.4
400	32	1555	MFSE 400 X 2 X 0.4
500	36	1920	MFSE 500 X 2 X 0.4
600	40	2282	MFSE 600 X 2 X 0.4
800	44	2990	MFSE 800 X 2 X 0.4
900	46	3365	MFSE 900 X 2 X 0.4
1000	50	3710	MFSE 1000 X 2 X 0.4
1200	53	4410	MFSE 1200 X 2 X 0.4
1500	60	5485	MFSE 1500 X 2 X 0.4
1800	65	6567	MFSE 1800 X 2 X 0.4
2100	70	7625	MFSE 2100 X 2 X 0.4
2400	75	8665	MFSE 2400 X 2 X 0.4
2700	78	9697	MFSE 2700 X 2 X 0.4
3000	80	10730	MFSE 3000 X 2 X 0.4

Conductor Diameter : 0.5 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	10	110	MFSE 10 X 2 X 0.5
20	12	165	MFSE 20 X 2 X 0.5
30	13	225	MFSE 30 X 2 X 0.5
50	15	350	MFSE 50 X 2 X 0.5
70	19	460	MFSE 70 X 2 X 0.5
100	20	645	MFSE 100 X 2 X 0.5
150	25	940	MFSE 150 X 2 X 0.5
200	30	1225	MFSE 200 X 2 X 0.5
300	35	1790	MFSE 300 X 2 X 0.5
400	40	2350	MFSE 400 X 2 X 0.5
500	43	2898	MFSE 500 X 2 X 0.5
600	48	3470	MFSE 600 X 2 X 0.5
800	54	4555	MFSE 800 X 2 X 0.5
900	58	5130	MFSE 900 X 2 X 0.5
1000	60	5667	MFSE 1000 X 2 X 0.5
1200	65	6735	MFSE 1200 X 2 X 0.5
1500	73	8350	MFSE 1500 X 2 X 0.5
1800	80	10015	MFSE 1800 X 2 X 0.5
2100	85	11610	MFSE 2100 X 2 X 0.5

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



TEKAB

JELLY FILLED TELEPHONE DUCT CABLES

Conductor Diameter : 0.6 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	11	140	MFSE 10 X 2 X 0.6
20	13	220	MFSE 20 X 2 X 0.6
30	15	300	MFSE 30 X 2 X 0.6
50	20	470	MFSE 50 X 2 X 0.6
70	22	640	MFSE 70 X 2 X 0.6
100	25	895	MFSE 100 X 2 X 0.6
150	30	1300	MFSE 150 X 2 X 0.6
200	35	1705	MFSE 200 X 2 X 0.6
300	40	2505	MFSE 300 X 2 X 0.6
400	45	3320	MFSE 400 X 2 X 0.6
500	50	4090	MFSE 500 X 2 X 0.6
600	55	4860	MFSE 600 X 2 X 0.6
800	65	6444	MFSE 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	13	210	MFSE 10 X 2 X 0.8
20	16	350	MFSE 20 X 2 X 0.8
30	20	510	MFSE 30 X 2 X 0.8
50	25	795	MFSE 50 X 2 X 0.8
70	28	1080	MFSE 70 X 2 X 0.8
100	32	1520	MFSE 100 X 2 X 0.8
150	40	2240	MFSE 150 X 2 X 0.8
200	45	2945	MFSE 200 X 2 X 0.8
300	55	4355	MFSE 300 X 2 X 0.8
400	60	5765	MFSE 400 X 2 X 0.8
500	68	7160	MFSE 500 X 2 X 0.8

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

