



## AIR CORE TELEPHONE DIRECT BURIAL CABLES

**Description** : Polyethylene insulated, 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
- 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

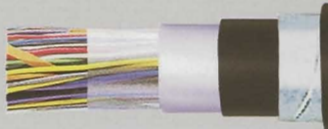
- : Min Insulation Resistance at 20°C : 1500MΩ.km
- : Max Individual Mutual Capacitance : 64 nF/km
- : Max average Mutual Capacitance for cables more than or equal to 20 pairs : 56 nF/km
- : Max Capacitance unbalance at 800 Hz per 500m length of cable : 275 pF
- : Max Conductor loop Resistance at 20°C

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				Conductor Diameter : 0.5 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number	Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	12	177	ESAE 10 X 2 X 0.4	10	14	215	ESAE 10 X 2 X 0.5
20	14	230	ESAE 20 X 2 X 0.4	20	15	285	ESAE 20 X 2 X 0.5
30	15	280	ESAE 30 X 2 X 0.4	30	18	355	ESAE 30 X 2 X 0.5
50	18	380	ESAE 50 X 2 X 0.4	50	20	505	ESAE 50 X 2 X 0.5
70	20	470	ESAE 70 X 2 X 0.4	70	23	630	ESAE 70 X 2 X 0.5
100	23	595	ESAE 100 X 2 X 0.4	100	25	825	ESAE 100 X 2 X 0.5
150	25	805	ESAE 150 X 2 X 0.4	150	30	1145	ESAE 150 X 2 X 0.5
200	30	995	ESAE 200 X 2 X 0.4	200	35	1430	ESAE 200 X 2 X 0.5
300	32	1380	ESAE 300 X 2 X 0.4	300	40	2540	ESAE 300 X 2 X 0.5
400	38	1810	ESAE 400 X 2 X 0.4	400	48	3195	ESAE 400 X 2 X 0.5
500	45	2710	ESAE 500 X 2 X 0.4	500	51	3780	ESAE 500 X 2 X 0.5
600	48	3095	ESAE 600 X 2 X 0.4	600	55	4395	ESAE 600 X 2 X 0.5
800	50	3850	ESAE 800 X 2 X 0.4	800	62	5565	ESAE 800 X 2 X 0.5
900	55	4252	ESAE 900 X 2 X 0.4	900	65	6135	ESAE 900 X 2 X 0.5
1000	58	4615	ESAE 1000 X 2 X 0.4	1000	70	6685	ESAE 1000 X 2 X 0.5
1200	60	5370	ESAE 1200 X 2 X 0.4				

\*Above code is for Solid PE insulation "E" • If foam skin insulation : MSAE --- X 2 X (Conductor Size) • If Cellular PE insulation : CSAE --- X 2 X (Conductor Size)



TEKAB

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Conductor Diameter : 0.6 mm			
Number of Pairs	Approx O.D mm	Approx Weight kg/km	Code Number
10	15	250	ESAE 10 X 2 X 0.6
20	17	350	ESAE 20 X 2 X 0.6
30	20	455	ESAE 30 X 2 X 0.6
50	22	640	ESAE 50 X 2 X 0.6
70	25	820	ESAE 70 X 2 X 0.6
100	30	1095	ESAE 100 X 2 X 0.6
150	35	1505	ESAE 150 X 2 X 0.6
200	40	2457	ESAE 200 X 2 X 0.6
300	48	3367	ESAE 300 X 2 X 0.6
400	55	4240	ESAE 400 X 2 X 0.6
500	60	5090	ESAE 500 X 2 X 0.6
600	65	5915	ESAE 600 X 2 X 0.6
800	72	7535	ESAE 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	332	ESAE 10 X 2 X 0.8
20	20	505	ESAE 20 X 2 X 0.8
30	25	660	ESAE 30 X 2 X 0.8
50	28	965	ESAE 50 X 2 X 0.8
70	32	1267	ESAE 70 X 2 X 0.8
100	37	1765	ESAE 100 X 2 X 0.8
150	45	3040	ESAE 150 X 2 X 0.8
200	52	3790	ESAE 200 X 2 X 0.8
300	62	5290	ESAE 300 X 2 X 0.8
400	69	6702	ESAE 400 X 2 X 0.8
500	75	8110	ESAE 500 X 2 X 0.8

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