

# ELECTRA CABLES



## Telephone Cables - Indoor

**Indoor, PVC insulated, PVC Sheath.**

**Application:** For use in networks within telephone exchanges, commercial switchboards and interconnecting wiring systems. They are also suitable for some data applications.

**Standard:** TIA-568B-C.2

**Conductor:** Annealed Copper

**Insulation:** PE insulated

**Sheath:** PVC

**Max. Conductor Resistance:** 96Ω/km

**Insulation Resistance:** >1000M Ω.km

### Typical Features:

Electra Cables Part No.	No. of Pairs	Wire Size mm	Min. installed bending radius mm	Max. Pulling Tension * N	Approx. Overall Diameter mm	Approx Mass kg/100m
TELE2P	2	0.5	37	55	4.0	1.3
TELE3P	3	0.5	48	82	4.6	2.6
TELE10P	10	0.5	73	275	8.0	7.6
TELE25P	25	0.5	100	690	11.3	18
TELE50P	50	0.5	135	1380	15.0	34
TELE100P	100	0.5	185	2760	20.2	66

### Colour Chart:

Pair No.	Wire 1	Wire 2	Pair No.	Wire 1	Wire 2	Pair No.	Wire 1	Wire 2
1	WHE/BLU	BLU	10	RED/GRY	GRY	19	YEL/BRN	BRN
2	WHE/ORE	ORE	11	BLK/BLU	BLU	20	YEL/GRY	GRY
3	WHE/GRN	GRN	12	BLK/ORE	ORE	21	PPL/BLU	BLU
4	WHE/BRN	BRN	13	BLK/GRN	GRN	22	PPL/ORE	ORE
5	WHE/GRY	GRY	14	BLK/BRN	BRN	23	PPL/GRN	GRN
6	RED/BLU	BLU	15	BLK/GRY	GRY	24	PPL/BRN	BRN
7	RED/ORE	ORE	16	YEL/BLU	BLU	25	PPL/GRY	GRY
8	RED/GRN	GRN	17	YEL/ORE	ORE			
9	RED/BRN	BRN	18	YEL/GRN	GRN			



Quality ISO 9001  
Certified System

**Note:** Other types or other lengths of the above cables can be manufactured according to customers' specifications.

## Telephone Cables – Outdoor

**Outdoor Jelly filled, Polyethylene insulated, Polyethylene Sheath.**

**Application:** Suitable for the transmission of D.C. or voice frequency signals where a high degree of circuit integrity is required. Suitable for duct or direct burial installation.

**Standard:** TIA-568B-C.2

**Conductor:** Annealed Copper

**Insulation:** High Density Polyethylene

**Sheath:** LDPE

**Filling Compound:** Jelly Filling

**Typical Features:**

Electra Cables Part No.	No. of Pairs	Conductor Dia. (mm)	Insulation Dia. (mm)	Sheath Thickness mm	Approx. Overall Diameter mm	Min Installed Bending Radius mm	Approx Mass kg/100m
<b>TELE04-</b>							
JFOD-2P	2	0.40	0.85	0.55	4.0	50	1.5
JFOD-10P	10	0.40	0.85	1.0	8.0	90	8.6
JFOD-20P	20	0.40	0.85	1.1	9.8	110	9.8
JFOD-30P	30	0.40	0.85	1.1	11.4	120	18.8
JFOD-50P	50	0.40	0.85	1.2	13.7	150	28.5
JFOD-100P	100	0.40	0.85	1.2	18.7	200	53.0
<b>TELE064-</b>							
JFOD-2P	2	0.64	1.37	0.75	7.0	50	4.7
JFOD-10P	10	0.64	1.37	1.0	10.0	90	13.7
JFOD-20P	20	0.64	1.37	1.1	14.4	110	25.5
JFOD-30P	30	0.64	1.37	1.2	16.5	120	36.2
JFOD-50P	50	0.64	1.37	1.2	20.7	150	57.2
JFOD-100P	100	0.64	1.37	1.3	28.2	200	110.3



## Electrical Performance Requirements

Serial No.	Item	Value	
		TELE04	TELE064
1	Direct Current Resistance of Single conductor ohm/km max	148	58.5
2	Imbalance of Direct Current Resistance to pair % max	5.0	5.0
3	Insulation resistance of each single insulated conductor to otherconductors shield or connected to the earth DC 500V ( M Ω.km )	≥3000	≥3000
4	Working capacitance(800Hz/km) nF/km max	≤66	≤66
5	Pair to pair capacitance unbalance(800Hz/300m) pF/km max	≤250	≤250
6	Electrical strength DC		
	Sustainable Time	1min	1min
	Between conductor and conductor	1kV	1kV
	Between conductor and shield	3kV	3kV

**Note:** These cables are not to be regarded as power cables or for the direct connection of equipment to mains power supplies.