



*Your Confidence
Our Concern*



TRACO

CABLE COMPANY LIMITED

(A Kerala Government Company)
KSHB OFFICE COMPLEX, 4TH FLOOR
PANAMPILLY NAGAR, KOCHI-682 036
KERALA STATE

Ph: 0484-2314847, 2314864 Fax: 2312744

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**SWITCH TO TRACO
SWITCH TO SAFETY**



**ISO
9001**



**RINA
IQ NET**



TRACO
CABLE COMPANY LIMITED
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AN ISI PRODUCT FROM AN ISO 9001 COMPANY

Traco House Wiring Cables !

Your family has never been so safe

When it comes to house wiring cables, safety becomes your primary concern. Any compromise on quality may later make you pay dearly. Only the best can be trusted. That is where **Traco House Wiring Cables** come in.

Traco House Wiring Cables are manufactured by Traco Cable Company Limited, a Kerala Government Company and made out of **high-grade copper** insulated by **virgin PVC**

TRACO CABLE COMPANY LIMITED

**CABLES
AVAILABLE AT**

FACTORY OUTLET - TRACO CABLE COMPANY LIMITED

Padannakkara, Pinarayi P.O., Thalassery, Kannur-670 741

TRACO CABLE COMPANY LIMITED, Irimpanam-682 309
Thripunithura, Ph: 0484-2780237, 2785672, 2780937
Fax: 0484-2780937

TRACO REGISTERED OFFICE, Housing Board Office Complex
4th Floor, Panampilly Nagar, Kochi-682 036
Ph: 0484-2311851, 2314847, 2314864, Fax: 2312744

TRACO CABLE COMPANY LIMITED
JFTC Factory, Chumathra, Thiruvalla-689 103
Ph: 0469-2630252, 2730231, 2730391, 2730253
Fax: 0469-2630254

TRACO LIAISON OFFICE TC.25/1123
Manorama Road, Opp. Hotel Horizon,
Thiruvananthapuram, Ph: 0471-2330449

Known for its high quality telephone cables, high-tech bare conductors and cables for power transmission, Traco offers the best value for your money. Traco is the only manufacturer in Kerala using the **purest copper** used for the manufacture of sophisticated telephone cables for manufacturing House Wiring Cables as well.

Copper Conductor PVC Insulated Unsheathed Cable, 1100 V

Specification: IS 694/1990 Class 2

No	Test Required	Units	Single core 1.0 sq mm		Single core 1.50 sq mm		Single core 2.50 sq mm		Single core 4.0 sq mm	
			Required Value	Observed Value	Required Value	Observed Value	Required Value	Observed Value	Required Value	Observed Value
1.	Thickness of Insulation	mm	Avg. 0.70	0.73 to 0.77	Avg. 0.70	0.73 to 0.75	Avg. 0.80	0.86 to 0.92	Avg. 0.80	0.86 to 0.95
		mm	Min. 0.53	0.65 to 0.67	Min. 0.53	0.67 to 0.72	Min. 0.62	0.74 to 0.78	Min. 0.62	0.76 to 0.78
2.	Tensile Strength	n/mm ²	12.5 (min)	15.30 to 16.40	12.5 (min)	15.50 to 17.20	12.5 (min)	16.20 to 18.45	12.5 (min)	15.142 to 18.50
3.	Elongation	%	150 (min)	200 to 240	150 (min)	220 to 260	150 (min)	210 to 270	150 (min)	190 to 240
4.	Shrinkage Test	%	4.0 (max)	0.68 to 0.8	4.0 (max)	0.70 to 1.10	4.0 (max)	0.70 to 1.10	4.0 (max)	0.80 to 1.10
5.	Conductor Resistance at 20°C	ohm/km	18.1 (max)	17.48 to 17.93	12.1 (max)	11.70 to 11.92	7.41 (max)	6.92 to 7.17	4.61 (max)	4.12 to 4.38
6.	Volume Resistivity at 27°C Volume Resistivity at 70°C	ohm.cm	1x10 ¹³ (min)	15.0x10 ¹³ to 17x10 ¹³	1x10 ¹³ (min)	7.3x10 ¹³ to 8.8x10 ¹³	1x10 ¹³ (min)	7.62x10 ¹³ to 8.37x10 ¹³	1x10 ¹³	8.42x10 ¹³ to 9.16x10 ¹³
		ohm.cm	1x10 ¹⁰ (min)	7.0x10 ¹⁰ to 8.0x10 ¹⁰	1x10 ¹⁰ (min)	4.8x10 ¹⁰ to 5.7x10 ¹⁰	1x10 ¹⁰ (min)	2.20x10 ¹⁰ to 2.80x10 ¹⁰	1x10 ¹⁰	1.98x10 ¹⁰ to 2.60x10 ¹⁰
7.	Insulation Resistance (Con) at 27°C Insulation Resistance (Con) at 70°C	m.ohm.km	36.7 (min)	646.92 to 794.80	36.7 (min)	260.86 to 315.96	36.7 (min)	279.97 to 300.50	36.7	310.62 to 332.90
		m.ohm.km	0.037 (min)	1.201 to 1.343	0.037 (min)	1.14 to 1.26	0.037 (min)	1.36 to 1.49	0.037	1.21 to 1.38
8.	High Voltage Test (RMS)	kv/5min	3	With stood	3	With stood	3	With stood	3	With stood