

MIRACLEGREEN™ Cable



Environment Friendly Green Cable
We Make Cables and Sell Safety



MIRACLECABLES™
Smart cable solutions

Why Miracle Green?

As part of sustainable green building technology, to bringing down the use of hazardous PVC from your green building Miracle Green provide green cable solution. Normal PVC cables will be replaced with Green Cable.

Benefit to environment:

PVC is not only hazardous during the manufacturing process but also potential risk in case of fire. Green Cable is superior performance cable with utmost quality which is replacement for PVC cables.

Material of Construction

The cable construction with 99.97% pure best available copper of electrolytic grade, and EVA based insulation which gives the ultimate fire protection and minimal environmental hazards.

Human life invaluable

- In a fire accident most people are killed due to smoke than the heat and fire.
- Ordinary cable produce smoke & halogen acid
- When people inhale smoke and halogen acid they lose ability to respond and escape
- Fire spread faster in ordinary cable than Green Cable

Advantage

- Excellent flame-retardancy
- Halogen Free
- Low smoke generation
- Low toxic gas emission

Benefit

- Better visibility help easy for people escape
- Environment friendly
- Fire retardancy Stop spreading of fire
- Smoke free in case of fire accident

Application - Generally used where green environment and higher safety is expected for Human life and valuables

- Airports
- Centrally A. C. Buildings
- Complexes
- Educational Institutions
- General House wiring
- Green Buildings
- High Raise Building
- Hospitals
- Hostels
- Hotels
- Public Places
- Theaters

Size Dimension & Current Carrying Capacity :-

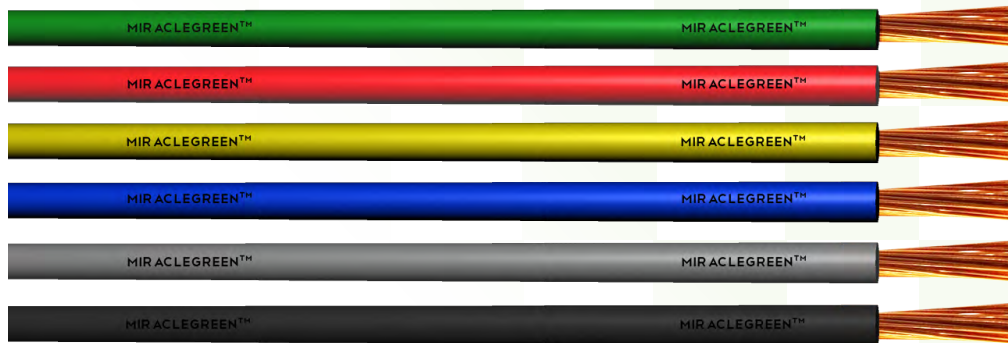
C.S.Area of Conductor	Strands	Insulation Thickness (Nom.)	Overall Diameter (approx.)	Cond.Resistance Maxi. At 20°C	Current rating	
					Casing/Caping	Concealed
mm ²	No. / mm	mm	mm	Ω/km	Amps	Amps
1.00	14/0.30*	0.70	3.00	18.10	12	11
1.50	22/0.30*	0.70	3.20	12.10	16	13
2.50	36/0.30*	0.80	3.80	7.41	22	18
4.00	56/0.30**	0.80	4.50	4.95	29	24
6.00	84/0.30**	0.80	5.50	3.30	37	31

*= Class-2 conductor, **= Class-5 conductor as per IS:8130

Zero Halogen Fire Retardant Compound Properties :-

Sr.No.	Test Parameter	Reference Specification	Specification required
1	Critical Oxygen Index	ASTM-D 2863	29% minimum
2	Temperature Index	ASTM-D 2863	250°C minimum
3	Smoke Density Rating	ASTM-D 2843	20% maximum
4	Acid Gas Generation (HCL)	IEC 754	Less than 0.50mg/gm

Colours:  or customer specified





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