

Ultravolt GREENCORE

95° HEAT RESISTANT

99.97% TRUEPURE COPPER

GREATER PROTECTION FOR GROWING POWER NEEDS

Modern homes place greater and more continuous demands on their wiring. Greencore is engineered to carry heavier electrical loads while providing added protection against overheating, short circuits and fire-related risks. Its lead-free, RoHS and REACH-compliant insulation makes it safer for people and the environment.

WHY CHOOSE GREENCORE HR FR LF?

95°C Heat-Resistant Insulation

A 95°C heat-resistant HR-PVC formulation delivers real thermal headroom over standard 70°C PVC, allowing the same wiring to safely handle rising residential loads from heavy appliances like ACs, Geysers and inverters - safely, reliably, and for years to come.

Short-Circuit Safe

A high-temperature HR FR PVC compound handles additional load under fault conditions, helping contain electrical faults, reduce fire propagation and enhance safety.

Eco-friendly design

Lead-Free, RoHS and REACH compliant.

Higher Current-Carrying Capacity

With a 95°C operating temperature, compared to 70°C for normal PVC, HR FR LF supports up to 35% more current within the same cross-section.

KEY PRODUCT FEATURES

95°C	LF	40+Yrs*	Anti-Pest	99.97% Cu
Heat Resistant	Lead-Free Insulation	Long Service Life	Termite & Rodent Free	TruePure copper

- Short circuit safety - *short-circuit protection subject to rated conditions as per IEC 60949 and correct installation with protection devices.
- 35% higher current carrying capacity - vs. normal PVC cables and basis independent test conducted under controlled conditions. Actual performance may vary.
- 95 deg heat resistant - Based on independent testing under controlled conditions. Actual performance may vary. Details at www.ultravoltwirescables.com

Available Sizes: 0.75, 1.0, 1.5, 2.5, 4.0, 6.0 sq.mm **Available Colours:**

CONDUCTOR **Bare Annealed Copper** 99.97% purity	**CONDUCTOR CLASS** **Class 5** Fine flexible	**INSULATION** **HR FR LF PVC** Heat-resistant, lead-free PVC
RATED VOLTAGE **1100 V** Suitable for all domestic circuits	**TEMP. RATING** **95°C** **Continuous Rating**	**PACK LENGTHS** **90 m, 180 m** Retail coil, Project Packaging

Applicable Certifications:

Quality Management System Certification

European Conformity

IS : 694
CM/L: 7100158506

Product Certifications

REACH compliant RoHS compliant

Human Safety / Environment Safety



FIRE PERFORMANCE — TESTED VALUES

Test Parameter	Standard	Requirement
Oxygen Index	IS 10810 P-58 / ASTM D2863	≥ 29%
Temperature Index	IS 10810 P-64 / ASTM D2863	≥ 250°C

TECHNICAL SPECIFICATION

Item Code	Nominal Conductor Area	Number and Nominal Diameter of Strands#	Class of Conductor	Nominal Thickness of Insulation	Maximum DC Conductor Resistance at 20°C per kilometer	Current Carrying Capacity / 2 Cables Single Phase**	
						In Conduit Trunking	Unenclosed
UWFCAI5FHX7501--090X	0.75 sq.mm	24 N/0.20 mm	Class-5	0.6 mm	26.0 Ω/km	8 A	8 A
UWFCAI5FH1X001--090X	1.0 sq.mm	32 N/0.20 mm	Class-5	0.6 mm	19.50 Ω/km	14 A	15 A
UWFCAI5FH1X501--090X	1.5 sq.mm	30 N/0.25 mm	Class-5	0.6 mm	13.30 Ω/km	18 A	20 A
UWFCAI5FH2X501--090X	2.5 sq.mm	50 N/0.25 mm	Class-5	0.7 mm	7.98 Ω/km	24 A	27 A
UWFCAI5FH4X001--090X	4.0 sq.mm	56 N/0.30 mm	Class-5	0.8 mm	4.95 Ω/km	31 A	34 A
UWFCAI5FH6X001--090X	6.0 sq.mm	84 N/0.30 mm	Class-5	0.8 mm	3.30 Ω/km	42 A	46 A

** Current carrying capacity values are calculated for 85°C from IEC 60287-1-1

The numbers of strands and strand diameter are for reference only. Governing criteria shall be max. DC resistance requirement as per IS 8130.