

Crompton



Crompton Armor* Wires

Durasure Technology
Tested for extreme weather

10% More **Copper**
Carries more load



**Future-ready wires
for Modern homes**

HOUSE WIRES CATALOGUE 2026

Crompton Armor Wires – Future-ready wires designed for the modern home. They’re built to carry higher current and tolerate higher heat, delivering exceptional scalability & exceptional durability; powering homes safely today and tomorrow.



ARMOR ULTRA HALOGEN FREE FLAME RETARDANT[^]

A premium insulated cable engineered for reliable 90°C continuous operation, built with 10 % higher copper content than standard constructions to deliver exceptional durability and scalability.

(SINGLE CORE INSULATED UNSHEATHED CABLE OF VOLTAGE GRADE 1100V CONFIRMING TO IS 17048-2018, CLASS-5)

Product Code#	No. Of Standard Packaging In Master Carton	Nominal Area Of Conductor (sq. mm)	Number/ Nom. Dia Of Strands (no/mm)	Thickness Of Insulation (Nom.) (mm)	Approx. Insulation Diameter (mm)	Maximum Conductor Resistance @20°C (ohm/km)
AR5XO9011DOO_	20	1.0 SQ MM	36/0.2	0.6	2.5	19.5
AR5XO9011D5O_	16	1.5 SQ MM	33/0.25	0.7	2.7	13.3
AR5XO9012D5O_	12	2.5 SQ MM	55/0.25	0.8	3.4	7.98
AR5XO9014DOO_	8	4.0 SQ MM	62/0.3	0.8	4.1	4.95



Designed with 10% more copper for improved conductivity, delivering exceptional scalability.



Engineered with stronger, insulation coating that resists wear and breakage, ensuring superior durability and long-lasting performance.

FEATURES



Crafted using high-purity 99.97% copper, Crompton Armor deliver exceptional conductivity and robust durability, guaranteeing efficient, and reliable current flow.



Specially engineered insulation offers advance flame-retardant properties, helping to minimize fire risks and enhance protection for your home.



Integrated anti-termite and rodent-resistant properties safeguard the insulation from pest damage, preventing short circuits and ensuring extended life.



Insulation compounds are free of lead and other toxic heavy metals, making the product safer for your family, while supporting regulatory and environmental requirements.



Manufactured for high flexibility, Crompton Armor make installation effortless, allowing easy routing even through narrow conduits and complex spaces.



Fully RoHS compliant, Crompton Armor adhere to strict global standards, limiting hazardous substances for a safer, greener tomorrow.



5Z90 HALOGEN FREE FLAME RETARDANT[^]

Manufactured with halogen-free insulation, these wires do not emit harmful gases and produce only negligible, harmless smoke if exposed to fire. Crompton 5Z90 Halogen Free Flame Retardant Wires are specifically recommended for homes and buildings where environmental responsibility and occupant safety are top priorities. With reliable performance, flame retardance, and eco-friendly properties, these wires are ideal for future-ready responsible buildings.

(SINGLE CORE HF FR INSULATED UNSHEATHED CABLE OF VOLTAGE GRADE 1100V CONFIRMING TO IS 17048-2018, CLASS-5)

Product Code#	No. Of Standard Packaging In Master Carton	Nominal Area Of Conductor (sq. mm)	Number/ Nom. Dia Of Strands (no/mm)	Thickness Of Insulation (Nom.) (mm)	Approx. Insulation Diameter (mm)	Maximum Conductor Resistance @20°C (ohm/km)
AR5ZO9011DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5ZO9011D5O_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5ZO9012D5O_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5ZO9014DOO_	8	4.0 SQ MM	56/0.3	0.8	4.1	4.95



5L90 FLAME RETARDANT[^] LOW SMOKE LOW HALOGEN

Crompton Armor 5L90 are Flame retardant Low Smoke Low Halogen wires that combine flame resistance with advanced low smoke and low halogen emission properties. In fire events, these wires emit minimal smoke and harmf gases, ensuring safer air quality and visibility for quick evacuation. Perfect for homes and high-density spaces where safety during is critical.

Also available in 180 meter length.

(SINGLE CORE FR LSH INSULATED UNSHEATHED CABLE OF VOLTAGE GRADE 1100V CONFIRMING TO IS 694-2010, CLASS-5)

Product Code#	No. Of Standard Packaging In Master Carton	Nominal Area Of Conductor (sq. mm)	Number/ Nom. Dia Of Strands (no/mm)	Thickness Of Insulation (Nom.) (mm)	Approx. Insulation Diameter (mm)	Maximum Conductor Resistance @20°C (ohm/km)
AR5LO9010D75_	20	0.75 SQ MM	24/0.2	0.6	2.3	26
AR5LO9011DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5LO9011D5O_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5LO9012D5O_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5LO9014DOO_	8	4.0 SQ MM	56/0.3	0.8	4.1	4.99
AR5LO9016DOO_	4	6.0 SQ MM	84/0.3	0.8	4.5	3.3



5F90 FLAME RETARDANT[^]

Engineered for safety, Crompton Armor 5F90 wires feature insulation that resists spread of fire, protecting both lives and property. Ideal for homes, offices, and commercial buildings, these wires are designed to ensure reliable performance in everyday conditions. Choose Crompton Armor 5F90 Flame Retardant for dependable protection and peace of mind in your wiring solutions.

Also available in 180 meter length.

(SINGLE CORE FR PVC INSULATED UNSHEATHED CABLE OF VOLTAGE GRADE 1100V CONFIRMING TO IS 694-2010, CLASS-5)

Product Code#	No. Of Standard Packaging In Master Carton	Nominal Area Of Conductor (sq. mm)	Number/ Nom. Dia Of Strands (no/mm)	Thickness Of Insulation (Nom.) (mm)	Approx. Insulation Diameter (mm)	Maximum Conductor Resistance @20°C (ohm/km)
AR5FO9010D75_	20	0.75 SQ MM	24/0.2	0.6	2.3	26
AR5FO9011DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5FO9011D5O_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5FO9012D5O_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5FO9014DOO_	8	4.0 SQ MM	56/0.3	0.8	4.1	4.99
AR5FO9016DOO_	4	6.0 SQ MM	84/0.3	0.8	4.5	3.3

#Replace _ with the colour code i.e. R = Red, G = Green, B = Blue, Y = Yellow & K = Black.

[^]5F90 Flame Retardant, 5L90 Low Smoke and Halogen (FR-LSH), or 5Z90 Halogen-Free properties are in accordance with applicable IS/IEC standards. Actual performance may vary depending on proper installation and usage conditions.

*Crompton Armor is a brand name used for product identification and does not indicate the application of the product

COLOUR	LENGTH	CORE
Red Green Blue Black Yellow	90 METER	SINGLE CORE

Crompton



www.crompton.co.in

CROMPTON GREAVES CONSUMER ELECTRICALS LIMITED

Registered Office:

O5GBD, Godrej Business District, Pirojshanagar,
Vikhroli (West), Mumbai - 400079, Maharashtra, India

Customer Service:

Toll free number: +91 92288 80505
(Mon to Sat: 9am - 6pm)
Website: www.crompton.co.in