

Crompton
Armor

85⁺
Years
TRUST & LEGACY

PVC INSULATED CABLE CATALOGUE 2026



Crompton Wires
The Trust You Have
Always Relied On

Crompton Armor*

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.

FEATURES



Crafted using high-purity 99.97% copper, Crompton Wires 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 Wires make installation effortless, allowing easy routing even through narrow conduits and complex spaces.



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

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

*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.

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5Z90 HALOGEN FREE FLAME RETARDANT[^]

Manufactured with halogen-free insulation, these wires do not emit corrosive or acidic gases and produce only negligible, harmless smoke if exposed to fire. Crompton Halogen Free Flame Retardant Wires are specifically recommended for hospitals, data centers and green 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 deg c (ohm/km)
AR5Z09016DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5Z09016DOO_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5Z09016DOO_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5Z09016DOO_	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 toxic gases, ensuring safer air quality and visibility for quick evacuation. Perfect for public buildings, hospitals, malls, schools, and high-density spaces where safety during emergencies is critical.

(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 deg c (ohm/km)
AR5L09010D75_	20	0.75 SQ MM	24/0.2	0.6	2.3	26
AR5L09011DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5L09011D5O_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5L09012D5O_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5L09014DOO_	8	4.0 SQ MM	56/0.3	0.8	4.1	4.99
AR5L09016DOO_	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 Flame Retardant for dependable protection and peace of mind in your wiring solutions.

(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 deg c (ohm/km)
AR5F09010D75_	20	0.75 SQ MM	24/0.2	0.6	2.3	26
AR5F09011DOO_	20	1.0 SQ MM	32/0.2	0.6	2.5	19.5
AR5F09011D5O_	16	1.5 SQ MM	30/0.25	0.7	2.7	13.3
AR5F09012D5O_	12	2.5 SQ MM	50/0.25	0.8	3.4	7.98
AR5F09014DOO_	8	4.0 SQ MM	56/0.3	0.8	4.1	4.99
AR5F09016DOO_	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.

Crompton

Armor*



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