

APAR Anushakti | FIRE PROTEKT EBXL HFFR (XZ)

ELECTRON BEAM CROSS LINKED HEAT RESISTANT FLAME RETARDANT

Introducing "APAR Anushakti Fire Protekt," our groundbreaking product designed with safety as the highest priority which has undergone rigorous testing for quality and longevity are manufactured using Electron Beam Technology (E-beam). This innovative wire surpasses conventional ones by offering a remarkable 100%* increase in current carrying capacity as well as enhanced resistance to higher temperatures with low smoke and zero halogen features. With its superior performance and eco-friendly nature, APAR Anushakti Fire Protekt establishes itself as the safest house wire option in India.



POWERED BY
E-BEAM TECHNOLOGY

FEATURES & ADVANTAGES

 ZERO HALOGEN	 HEAT RESISTANCE @120° C	 100% MORE CURRENT CARRYING CAPACITY*
 LOW SMOKE	 MELT RESISTANT UPTO 250° C FOR 30 MIN	 ANTI-TERMITE
 MAX SHORT CIRCUIT TEMPERATURE RATING 250° C	 ANTI RODENT	 OPERATING TEMPERATURE -30° C TO +120° C
 NON TOXIC	 ABRASION RESISTANT	 WEATHER RESISTANCE

TECHNICAL CHARACTERISTICS AND STANDARDS

TEST	Temperature Index	Oxygen Index	Smoke Density Rating	Acid gas generation	Service life years
SPECIFICATION VALUES	≥250°C	≥31%	≤10%	≤0.5%	>70 Years

Single Core, unsheathed EBXL HFFR (XZ) Cables for 1100 V as per IS 17048

Current carrying capacity

Nominal Area of Conductor	Conductor Construction	Thickness of Insulation (Nominal)	Approx Overall Diameter	Conductor Resistance (Max) per km @20° C	In Conduit Trunking	Unenclosed- Clipped Directly to Surface or on Cable Tray
Sq.mm	(No./Dia.mm)	mm	mm	ohms	amps	amps
0.75	24/0.21	0.6	2.30	26	18	21
1.00	32/0.21	0.6	2.50	19.50	22	26
1.5	30/0.26	0.6	2.70	13.30	27	34
2.5	50/2.6	0.7	3.40	7.98	36	46
4.00	56/0.31	0.8	4.00	4.95	49	60
6.00	84/0.31	0.8	4.60	3.30	64	78

- CORE** - Single Core
- LENGTH** - 90 Mtr
- INSULATION** - EBXL HFFR (XZ)
- COLOUR** - Red, Green, Blue, Black, White, Yellow