

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 & STANDARDS

≥250°C	≥31%	≤10%	≤0.5%	>70 Yrs
Temperature Index	Oxygen Index	Smoke Density Rating	Acid Gas Generation	Service Life

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

Current carrying capacity

Nominal Area of Conductor Sq.mm	Conductor Construction (No./Dia.mm)	Thickness of Insulation (Nominal) mm	Approx Overall Diameter mm	Conductor Resistance (Max) per km @20° C ohms	In Conduit Trunking amps	Unenclosed – Clipped Directly to Surface or on Cable Tray 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	INSULATION	LENGTH	COLOUR
Single Core	EBXL HFFR (XZ)	90 Mtr	Red, Green, Blue, Black, White, Yellow