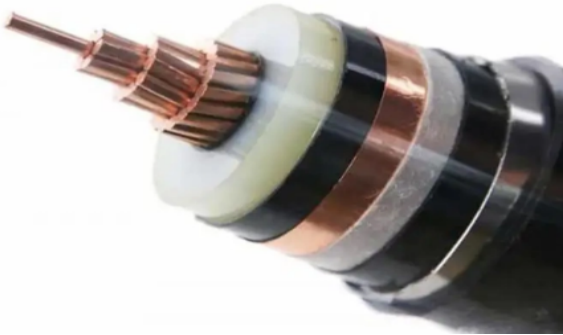


HV Cable 69KV and 110KV



Construction

Conductor: Plain annealed copper Class 2

Insulation: XLPE

Metallic Screen: Copper Tape

Armored Layer: SWA/STA

Outer Sheath: PE

Applications

Designed for high-voltage power transmission and distribution in 69kV and 110kV grids. The metallic armored layer provides superior mechanical protection, making this cable ideal for direct burial in harsh terrain, underground heavy-duty ducts, and areas subject to high mechanical stress. It is widely used in utility substations, industrial power plants, and urban infrastructure projects where rugged durability is essential.

Standards

International Standard: IEC 60840

US Standard: ICEA S-108-720

Conductor: IEC 60228 Class 2

Flame Retardancy (Optional): IEC 60332-1 (for PVC sheath)



Specification

Related Voltage	26/35KV
Test Voltage	220KV/5Min
Temperature Range	Max 90°C, Min -20°C
Permissible short circuit temperature at the conductor	+250°C (Short circuit duration max. 5 s)
Minimum bending radius	15x

Technical Data (64/110kV)

Nominal Cross-Section (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)*	Current Rating (Air) Amps**	Current Rating (Buried) Amps**
1 x 240	18.4	13	72	590	485
1 x 300	20.5	13	75	670	540
1 x 400	23.2	13	79	760	610
1 x 500	26.4	14	84	880	690
1 x 630	30.2	14	90	1010	780
1 x 800	34.5	14	96	1150	860