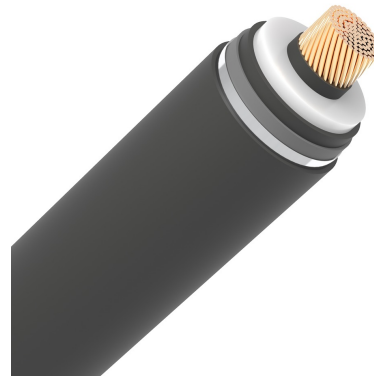


High Voltage Power Cable

Power cable for distribution, infrastructure and industrial supply

High Voltage Power Cable is prepared for preliminary product selection and quotation review. This product is used for power distribution and project supply where voltage grade, conductor size, insulation system and installation condition determine the cable selection. Parameters should be reviewed against the selected standard and project specification.



VOLTAGE

38/66kV, 64/110kV,
76/132kV, 220kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60840; IEC 62067

DATA SCOPE

2 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm voltage, conductor,
armour, sheath and
installation route.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Power distribution networks
- industrial plants
- infrastructure projects
- underground or indoor power supply routes
- renewable energy and utility projects requiring project-based cable review.

Selection logic

- Confirm voltage grade, conductor material, armour requirement, insulation/sheath material, installation environment and applicable standard before quotation or production confirmation.

Construction Overview

Item	Website-ready content
Product route	Copper or aluminum conductor with insulation, bedding, optional armour and outer sheath according to product type and project requirement.
Voltage	38/66kV, 64/110kV, 76/132kV, 220kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60840; IEC 62067
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
Single Core - Cu / XLPE / CAS / PE (110kV Corrugated Alumi	240 - 2500 (Milliken)	See table	See table	6250 - 30550
Single Core - Cu / XLPE / CAS / PE (220kV Corrugated Alumi	400 - 2500 (Milliken)	See table	See table	10550 - 33850

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

Single Core - Cu / XLPE / CAS / PE (110kV Corrugated Aluminum Sheath)

Reference table for preliminary selection and quotation review.

Nominal Area (mm²)	Nominal XLPE Thick. (mm)	Approx. Corrugated Al Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)	Capacitance (µF/km)
Single Core - Cu / XLPE / CAS / PE (110kV Corrugated Aluminum Sheath)					
240	16.0	1.6	72.5	6250	0.141
300	16.0	1.6	75.2	6950	0.151
400	16.0	1.7	78.5	8150	0.165
500	16.0	1.7	82.8	9350	0.180
630	16.0	1.8	86.5	10850	0.198
800 (Milliken)	16.0	1.9	92.2	12650	0.222
1000 (Milliken)	16.0	2.0	97.5	14850	0.246
1200 (Milliken)	16.0	2.1	102.8	17250	0.270
1600 (Milliken)	16.0	2.2	110.5	21550	0.305
2000 (Milliken)	16.0	2.3	118.2	25850	0.345
2500 (Milliken)	16.0	2.4	125.5	30550	0.380

Single Core - Cu / XLPE / CAS / PE (220kV Corrugated Aluminum Sheath)

Reference table for preliminary selection and quotation review.

Nominal Area (mm ²)	Nominal XLPE Thick. (mm)	Approx. Corrugated Al Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)	Capacitance (μF/km)
Single Core - Cu / XLPE / CAS / PE (220kV Corrugated Aluminum Sheath)					
400	24.0	2.0	98.5	10550	0.118
500	24.0	2.0	101.8	11650	0.126
630	24.0	2.1	106.5	13350	0.138
800 (Milliken)	24.0	2.2	111.2	15250	0.150
1000 (Milliken)	24.0	2.3	116.5	17550	0.165
1200 (Milliken)	24.0	2.4	121.8	20150	0.178
1600 (Milliken)	24.0	2.5	128.5	24250	0.198
2000 (Milliken)	24.0	2.6	136.2	28850	0.220
2500 (Milliken)	24.0	2.7	143.5	33850	0.245