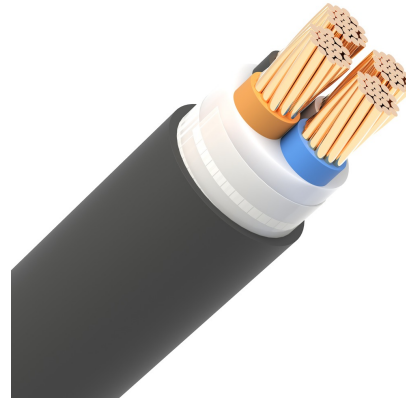


Unarmoured Power Cable

Power cable for distribution, infrastructure and industrial supply

Unarmoured 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

0.6/1kV, 6/10kV, 18/30kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60502-1; IEC 60502-2;
GB/T 12706

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	0.6/1kV, 6/10kV, 18/30kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60502-1; IEC 60502-2; GB/T 12706
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 / PVC (Unarmoured, e.g. YJV, N2XY)	16 - 3 x 240	RM - SM	See table	225 - 8850
Single Core - Cu / XLPE / CTS / PVC (Unarmoured MV)	50 - 3 x 240	RM	See table	850 - 11650

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 / PVC (Unarmoured, e.g. YJV, N2XY)

Reference table for preliminary selection and quotation review.

Nom. Area (mm²)	Core Type	Insulation Thick. (mm)	Outer Sheath Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)
Single Core - Cu / XLPE / PVC (Unarmoured, e.g. YJV, N2XY)					
16	RM	0.7	1.4	10.2	225
25	RM	0.9	1.4	11.8	325
35	RM	0.9	1.4	12.8	425
50	RM	1.0	1.4	14.2	560
70	RM	1.1	1.4	16.0	785
95	RM	1.1	1.5	18.2	1060
120	RM	1.2	1.5	19.8	1310
150	RM	1.4	1.6	21.8	1620
185	RM	1.6	1.6	24.2	2010
240	RM	1.7	1.7	27.5	2580
300	RM	1.8	1.8	30.5	3250
3 Core - Cu / XLPE / PVC (Unarmoured, e.g. YJV, N2XY)					
3 x 16	RM	0.7	1.8	18.8	720
3 x 25	RM	0.9	1.8	22.5	1150
3 x 35	SM	0.9	1.8	23.5	1380
3 x 50	SM	1.0	1.8	26.5	1820
3 x 70	SM	1.1	1.9	30.8	2550
3 x 95	SM	1.1	2.1	35.5	3520
3 x 120	SM	1.2	2.1	39.2	4380
3 x 150	SM	1.4	2.2	43.5	5450
3 x 185	SM	1.6	2.4	48.2	6750
3 x 240	SM	1.7	2.6	54.8	8850

Single Core - Cu / XLPE / CTS / PVC (Unarmoured MV)

Reference table for preliminary selection and quotation review.

Nom. Area (mm²)	Core Type	Insulation Thick. (mm)	Cu Tape Screen Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)
Single Core - Cu / XLPE / CTS / PVC (Unarmoured MV)					
50	RM	3.4	0.1	22.5	850
70	RM	3.4	0.1	24.2	1120
95	RM	3.4	0.1	25.8	1420
120	RM	3.4	0.1	27.5	1720
150	RM	3.4	0.1	29.2	2050
185	RM	3.4	0.1	31.5	2480
240	RM	3.4	0.1	34.2	3150
300	RM	3.4	0.1	36.5	3820
3 Core - Cu / XLPE / CTS / PVC (Unarmoured MV)					
3 x 50	RM	3.4	0.1	47.2	3450
3 x 70	RM	3.4	0.1	51.5	4420
3 x 95	RM	3.4	0.1	55.8	5550
3 x 120	RM	3.4	0.1	59.5	6550
3 x 150	RM	3.4	0.1	63.2	7850
3 x 185	RM	3.4	0.1	67.5	9350
3 x 240	RM	3.4	0.1	73.8	11650