

Three Core Power Cable

Power cable for distribution, infrastructure and industrial supply

Three Core 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;
BS 5467; 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.

ethan@farwalkcable.com | +86 155 5800 6344

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; BS 5467; 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
3 Core - Cu/XLPE/SWA/PVC Armoured (0.6/1kV)	1.5 - 400	See table	12.5 - 71.5	325 - 16550
3 Core - Cu/XLPE/CTS/SWA/PVC Armoured (6/10kV)	25 - 400	See table	48.5 - 96.5	3850 - 22850

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.

3 Core - Cu/XLPE/SWA/PVC Armoured (0.6/1kV)

Reference table for preliminary selection and quotation review.

Area (mm²)	Insulation Thick. (mm)	SWA Dia. (mm)	Approx OD (mm)	Weight (kg/km)
3 Core - Cu/XLPE/SWA/PVC Armoured (0.6/1kV)				
1.5	0.7	0.9	12.5	325
2.5	0.7	0.9	13.5	375
4	0.7	0.9	14.8	450
6	0.7	0.9	15.8	550
10	0.7	1.25	18.2	780
16	0.7	1.25	20.5	950
25	0.9	1.6	25.2	1550
35	0.9	1.6	27.5	1850
50	1.0	1.6	30.5	2350
70	1.1	2.0	35.5	3450
95	1.1	2.0	39.5	4450
120	1.2	2.5	44.5	5850
150	1.4	2.5	48.2	7050
185	1.6	2.5	52.5	8550
240	1.7	2.5	58.8	10850
300	1.8	2.5	64.2	13150
400	2.0	2.5	71.5	16550

3 Core - Cu/XLPE/CTS/SWA/PVC Armoured (6/10kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Insulation Thick. (mm)	SWA Dia. (mm)	Approx OD (mm)	Weight (kg/km)
3 Core - Cu/XLPE/CTS/SWA/PVC Armoured (6/10kV)				
25	3.4	2.0	48.5	3850
35	3.4	2.5	51.5	4550
50	3.4	2.5	54.2	5350
70	3.4	2.5	58.5	6450
95	3.4	2.5	62.8	7750
120	3.4	3.15	68.2	9550
150	3.4	3.15	71.5	11050
185	3.4	3.15	76.2	12950
240	3.4	3.15	82.5	15850
300	3.4	3.15	88.2	18550
400	3.4	3.15	96.5	22850