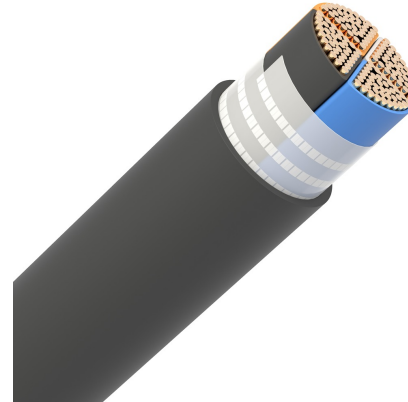


Low Voltage Power Cable

Power cable for distribution, infrastructure and industrial supply

Low 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

0.6/1kV

CONDUCTOR

Copper conductor route, confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60502-1; 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
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60502-1; 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
1 Core (Cu / XLPE / PVC)	16 - 3 x 240	See table	See table	1.15 - 0.0754
4 Core (Cu / XLPE / SWA / PVC)	4 x 16 - 3x185 + 1x95	RM - SM/RM	See table	1150 - 9400

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.

1 Core (Cu / XLPE / PVC)

Reference table for preliminary selection and quotation review.

Nominal Area (mm²)	Conductor Shape	Insulation Thick. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)	Resistance @20°C (Ω/km)
1 Core (Cu / XLPE / PVC)					
16	RM	0.7	10.2	225	1.15
35	RM	0.9	12.8	440	0.524
95	RM	1.1	18.2	1060	0.193
240	RM	1.7	27.5	2580	0.0754
3 Core (Cu / XLPE / PVC)					
3 x 16	RM	0.7	18.8	720	1.15
3 x 50	SM	1.0	25.5	1750	0.387
3 x 120	SM	1.2	35.8	4100	0.153
3 x 240	SM	1.7	48.5	8250	0.0754

4 Core (Cu / XLPE / SWA / PVC)

Reference table for preliminary selection and quotation review.

sc Nom. Area (mm²)	Core Type	Insulation (mm)	SWA Wire Dia. (mm)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating (A)
4 Core (Cu / XLPE / SWA / PVC)						
4 x 16	RM	0.7	1.25	21.5	1150	105
4 x 50	SM	1.0	1.6	31.8	2750	200
4 x 150	SM	1.4	2.5	48.5	7850	385
3+1 Core (Cu / XLPE / SWA / PVC)						
3x35 + 1x16	SM/RM	0.9/0.7	1.6	28.5	2150	165
3x95 + 1x50	SM/RM	1.1/1.0	2.0	41.2	5250	300
3x185 + 1x95	SM/RM	1.6/1.1	2.5	56.5	9400	435