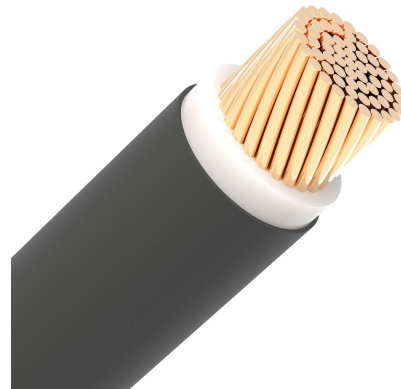


Single Core Power Cable

Power cable for distribution, infrastructure and industrial supply

Single 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, 18/30kV

CONDUCTOR

Copper conductor route, confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60502-2; IEC 60502-1/2;
BS 5467

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, 18/30kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60502-2; IEC 60502-1/2; BS 5467
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 Unarmoured (0.6/1kV)	1.5 - 1000	See table	5.8 - 54.2	45 - 10850
1 Core - Cu/XLPE/AWA/PVC Armoured (0.6/1kV)	50 - 1000	See table	17.5 - 59.2	750 - 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.

1 Core - Cu/XLPE/PVC Unarmoured (0.6/1kV)

Reference table for preliminary selection and quotation review.

Area (mm²)	Insulation Thick. (mm)	Outer Sheath (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Cu/XLPE/PVC Unarmoured (0.6/1kV)				
1.5	0.7	1.4	5.8	45
2.5	0.7	1.4	6.2	55
4	0.7	1.4	6.7	75
6	0.7	1.4	7.3	100
10	0.7	1.4	8.2	145
16	0.7	1.4	9.2	205
25	0.9	1.4	11.0	310
35	0.9	1.4	12.2	410
50	1.0	1.4	13.8	540
70	1.1	1.4	15.8	760
95	1.1	1.5	18.2	1040
120	1.2	1.5	19.8	1290
150	1.4	1.6	22.0	1600
185	1.6	1.6	24.5	1980
240	1.7	1.7	27.8	2550
300	1.8	1.8	30.8	3200
400	2.0	1.9	34.5	4150
500	2.2	2.0	38.2	5250
630	2.4	2.2	43.5	6750
800	2.6	2.4	48.8	8650
1000	2.8	2.6	54.2	10850

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

Reference table for preliminary selection and quotation review.

Area (mm ²)	Insulation Thick. (mm)	AWA Dia. (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Cu/XLPE/AWA/PVC Armoured (0.6/1kV)				
50	1.0	1.25	17.5	750
70	1.1	1.25	19.5	1020
95	1.1	1.6	21.8	1380
120	1.2	1.6	23.5	1650
150	1.4	1.6	25.2	1980
185	1.6	1.6	27.5	2380
240	1.7	1.6	30.5	3050
300	1.8	2.0	34.2	3850
400	2.0	2.0	38.5	4750
500	2.2	2.0	42.2	5850
630	2.4	2.5	48.5	7550
800	2.6	2.5	53.8	9450
1000	2.8	2.5	59.2	11650