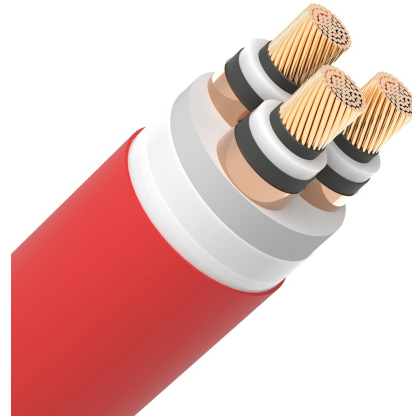


IEC 60502-2

Power cable for distribution, infrastructure and industrial supply

IEC 60502-2 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

3.6/6kV, 7.2kV, 18/30kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60502-2; IEC 60228

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	3.6/6kV, 7.2kV, 18/30kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60502-2; IEC 60228
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/CTS/SWA/PVC (6/10kV, Um=12kV)	3 x 25 - 3 x 400	See table	48.5 - 96.5	3850 - 22850
3 Core - Cu/XLPE/CTS/SWA/PVC (12/20kV, Um=24kV)	3 x 35 - 3 x 400	See table	63.5 - 108.5	6050 - 25850

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/CTS/SWA/PVC (6/10kV, Um=12kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Nom. XLPE Thick. (mm)	SWA Dia. (mm)	Approx OD (mm)	Weight (kg/km)
3 Core - Cu/XLPE/CTS/SWA/PVC (6/10kV, Um=12kV)				
3 x 25	3.4	2.0	48.5	3850
3 x 35	3.4	2.5	51.5	4550
3 x 50	3.4	2.5	54.2	5350
3 x 70	3.4	2.5	58.5	6450
3 x 95	3.4	2.5	62.8	7750
3 x 120	3.4	3.15	68.2	9550
3 x 150	3.4	3.15	71.5	11050
3 x 185	3.4	3.15	76.2	12950
3 x 240	3.4	3.15	82.5	15850
3 x 300	3.4	3.15	88.2	18550
3 x 400	3.4	3.15	96.5	22850

3 Core - Cu/XLPE/CTS/SWA/PVC (12/20kV, Um=24kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Nom. XLPE Thick. (mm)	SWA Dia. (mm)	Approx OD (mm)	Weight (kg/km)
3 Core - Cu/XLPE/CTS/SWA/PVC (12/20kV, Um=24kV)				
3 x 35	5.5	2.5	63.5	6050
3 x 50	5.5	2.5	66.8	6950
3 x 70	5.5	2.5	71.5	8250
3 x 95	5.5	3.15	76.5	10250
3 x 120	5.5	3.15	80.5	11850
3 x 150	5.5	3.15	84.2	13450
3 x 185	5.5	3.15	88.5	15250
3 x 240	5.5	3.15	94.5	18550
3 x 300	5.5	3.15	100.5	21650
3 x 400	5.5	3.15	108.5	25850