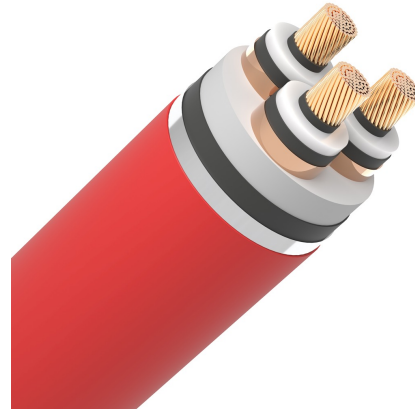


12/20(24)kV

Power cable for distribution, infrastructure and industrial supply

12/20(24)kV 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

12/20kV, 24kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 60502-2; BS 6622; VDE
0276-620

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	12/20kV, 24kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60502-2; BS 6622; VDE 0276-620
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/CTS/PVC Unarmoured (12/20kV)	1 x 35 - 1 x 630	See table	25.5 - 52.2	980 - 7850
3 Core - Cu/XLPE/CTS/SWA/PVC Armoured (12/20kV)	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.

1 Core - Cu/XLPE/CTS/PVC Unarmoured (12/20kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Nom. XLPE Thick. (mm)	Cu Tape Thick. (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Cu/XLPE/CTS/PVC Unarmoured (12/20kV)				
1 x 35	5.5	0.1	25.5	980
1 x 50	5.5	0.1	26.8	1150
1 x 70	5.5	0.1	28.5	1400
1 x 95	5.5	0.1	30.2	1700
1 x 120	5.5	0.1	32.0	2050
1 x 150	5.5	0.1	33.5	2350
1 x 185	5.5	0.1	35.5	2780
1 x 240	5.5	0.1	38.2	3420
1 x 300	5.5	0.1	40.5	4100
1 x 400	5.5	0.1	44.0	5150
1 x 500	5.5	0.1	47.5	6350
1 x 630	5.5	0.1	52.2	7850

3 Core - Cu/XLPE/CTS/SWA/PVC Armoured (12/20kV)

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 Armoured (12/20kV)				
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