

NF C33-226

Power cable for distribution, infrastructure and industrial supply

NF C33-226 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

Aluminum / aluminum alloy
conductor route, confirmed
by technical table

TYPICAL USE

Power distribution networks

STANDARDS

NF C 33-226

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	Aluminum / aluminum alloy conductor route, confirmed by technical table
Standards	NF C 33-226
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 - Al/XLPE/Al-Tape/HDPE (12/20kV)	1 x 50 - 1 x 630	See table	26.5 - 49.5	650 - 3450
3 Core Bundled - Al/XLPE/Al-Tape/HD PE (12/20kV)	See table	See table	57.0 - 78.5	1950 - 4950

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 - Al/XLPE/Al-Tape/HDPE (12/20kV)

Reference table for preliminary selection and quotation review.

Nom. Area (mm ²)	Insulation Thick. (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Al/XLPE/Al-Tape/HDPE (12/20kV)			
1 x 50	5.5	26.5	650
1 x 70	5.5	28.0	780
1 x 95	5.5	29.5	920
1 x 120	5.5	31.0	1050
1 x 150	5.5	32.5	1200
1 x 185	5.5	34.0	1380
1 x 240	5.5	36.5	1650
1 x 300	5.5	39.0	1950
1 x 400	5.5	42.0	2350
1 x 500	5.5	45.5	2850
1 x 630	5.5	49.5	3450

3 Core Bundled - Al/XLPE/Al-Tape/HDPE (12/20kV)

Reference table for preliminary selection and quotation review.

Assembly Type (mm²)	Bundle Const.	Approx Overall Bundle OD (mm)	Bundle Weight (kg/km)
3 Core Bundled - Al/XLPE/Al-Tape/HDPE (12/20kV)			
3 x 50	3 Single Cores Twisted	57.0	1950
3 x 70	3 Single Cores Twisted	60.5	2350
3 x 95	3 Single Cores Twisted	63.5	2760
3 x 120	3 Single Cores Twisted	67.0	3150
3 x 150	3 Single Cores Twisted	70.0	3600
3 x 185	3 Single Cores Twisted	73.5	4150
3 x 240	3 Single Cores Twisted	78.5	4950