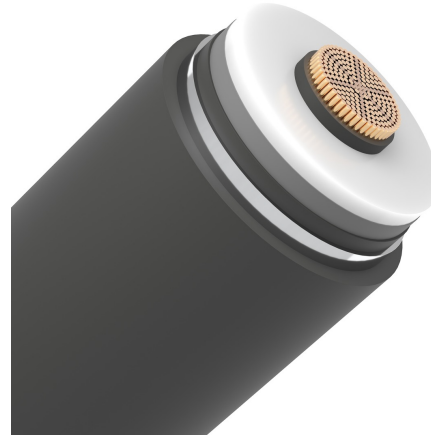


87/161(170)kV

Power cable for distribution, infrastructure and industrial supply

87/161(170)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

161kV, 170kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Power distribution networks

STANDARDS

IEC 62067; GB/T 22078

DATA SCOPE

2 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm voltage, conductor,
armour, sheath and
installation route.

Preliminary Reference Notice

For preliminary selection only. All technical parameters, dimensions and electrical data in this document are typical reference values based on common standard samples. They do not constitute a binding engineering supply commitment. For formal quotation or project submission, Farwalk will review the required voltage grade, installation environment, cable construction, local standards and project specifications, then provide a customized technical proposal and commercial offer.

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	161kV, 170kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 62067; GB/T 22078
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 / Corrugated Al / HDPE (87/161kV)	1 x 300 - 1 x 2500 (Milliken)	See table	88.5 - 144.5	7850 - 35550
1 Core - Cu / XLPE / Lead Sheath / HDPE (87/161kV)	1 x 300 - 1 x 2500 (Milliken)	See table	91.5 - 151.2	13850 - 53250

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1 Core - Cu / XLPE / Corrugated Al / HDPE (87/161kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Nom. XLPE Thick. (mm)	CAS Thick. (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Cu / XLPE / Corrugated Al / HDPE (87/161kV)				
1 x 300	20.0	1.8	88.5	7850
1 x 400	20.0	1.8	92.5	9150
1 x 500	20.0	1.8	96.2	10550
1 x 630	20.0	2.0	101.5	12350
1 x 800	20.0	2.0	106.8	14450
1 x 1000 (Milliken)	20.0	2.2	112.5	17150
1 x 1200 (Milliken)	20.0	2.2	118.2	19550
1 x 1600 (Milliken)	20.0	2.5	127.5	24450
1 x 2000 (Milliken)	20.0	2.5	135.5	29850
1 x 2500 (Milliken)	20.0	2.5	144.5	35550

1 Core - Cu / XLPE / Lead Sheath / HDPE (87/161kV)

Reference table for preliminary selection and quotation review.

Area (mm ²)	Nom. XLPE Thick. (mm)	Lead Thick. (mm)	Approx OD (mm)	Weight (kg/km)
1 Core - Cu / XLPE / Lead Sheath / HDPE (87/161kV)				
1 x 300	20.0	2.4	91.5	13850
1 x 400	20.0	2.4	95.8	15550
1 x 500	20.0	2.6	100.5	17850
1 x 630	20.0	2.6	105.8	20650
1 x 800	20.0	2.8	111.5	24150
1 x 1000 (Milliken)	20.0	2.8	117.2	27650
1 x 1200 (Milliken)	20.0	3.0	123.5	31850
1 x 1600 (Milliken)	20.0	3.2	133.5	38850
1 x 2000 (Milliken)	20.0	3.2	141.5	45550
1 x 2500 (Milliken)	20.0	3.4	151.2	53250