

Full Neutral Concentric Cable

Concentric cable for service entrance and utility distribution review

Full Neutral Concentric Cable is prepared for preliminary product selection and quotation review. This product is used for low or medium voltage service connections and utility distribution where concentric neutral or earth construction is required. Cable structure, conductor material, insulation level and applicable standard should be reviewed according to the project route.



VOLTAGE

15kV, 25kV, 35kV

CONDUCTOR

Aluminum / aluminum alloy
conductor route, confirmed
by technical table

TYPICAL USE

Service entrance connections

STANDARDS

ICEA S-94-649

DATA SCOPE

1 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm voltage, conductor,
neutral/earth arrangement,
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

- Service entrance connections
- utility distribution networks
- overhead or underground service routes
- projects requiring concentric neutral or earth cable construction.

Selection logic

- Confirm voltage grade, conductor material, concentric neutral or earth arrangement, installation route and required standard.
- For utility projects, local grid practice and tender documents should be checked before final selection.

Construction Overview

Item	Website-ready content
Product route	Phase conductor with insulation and concentric neutral/earth wires or screen arrangement. Outer sheath and detailed structure depend on the project standard and product type.
Voltage	15kV, 25kV, 35kV
Conductor	Aluminum / aluminum alloy conductor route, confirmed by technical table
Standards	ICEA S-94-649
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
Aluminum Conductor, Full Neutral (100%), 15kV	2 AWG - 4/0 AWG	16 x #14 AWG - 20 x #10 AWG	1.08 - 1.42	495 - 1040

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.

Aluminum Conductor, Full Neutral (100%), 15kV

Reference table for preliminary selection and quotation review.

Conductor Size (AWG)	Insulation Thick. (mils)	Full Concentric Neutral Wires	Approx OD (inch)	Weight (lbs/1000ft)
Aluminum Conductor, Full Neutral (100%), 15kV				
2 AWG	220	16 x #14 AWG	1.08	495
1 AWG	220	20 x #14 AWG	1.12	545
1/0 AWG	220	16 x #12 AWG	1.18	620
2/0 AWG	220	20 x #12 AWG	1.25	735
3/0 AWG	220	25 x #12 AWG	1.32	855
4/0 AWG	220	20 x #10 AWG	1.42	1040