

Aerial Insulated Cable (Tree Wire / Spacer Cable) - ICEA S

Overhead cable for aerial distribution and service connection

Aerial Insulated Cable (Tree Wire / Spacer Cable) - ICEA S-121-733 is prepared for preliminary product selection and quotation review. This product is used for overhead distribution routes where conductor arrangement, insulation, messenger or neutral support and installation environment determine cable selection.



VOLTAGE

15kV, 25kV, 35kV

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

ICEA S-121-733

DATA SCOPE

2 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm voltage, conductor, core arrangement, messenger/neutral and installation span.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Aerial bundled cable systems
- overhead service drops
- rural and urban distribution networks
- utility line upgrade projects.

Selection logic

- Confirm voltage grade, conductor material, core arrangement, messenger/neutral requirement, installation span and applicable utility standard.

Construction Overview

Item	Website-ready content
Product route	Aluminum or copper conductor with insulation and optional messenger or bundled arrangement according to product type.
Voltage	15kV, 25kV, 35kV
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	ICEA S-121-733
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
ICEA S-121-733 - 15kV Covered Conductor (ACSR Core)	2 AWG - 477.0 MCM	6/1 - 26/7	0.66 in / 16.8 mm - 1.20 in / 30.5 mm	195 lbs / 290 kg - 820 lbs / 1220 kg
ICEA S-121-733 - 35kV Covered Conductor (High-Strength AAA)	1/0 AWG - 477.0 MCM	7 wires - 19 wires	1.15 in / 29.2 mm - 1.57 in / 39.9 mm	480 lbs / 714 kg - 1070 lbs / 1592 kg

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.

ICEA S-121-733 - 15kV Covered Conductor (ACSR Core)

Reference table for preliminary selection and quotation review.

Size (AWG/MCM)	Conductor Stranding (Al/St)	Insulation Thickness (mils / mm)	Approx. Overall Dia. (in / mm)	Approx. Weight (lbs/1000ft / kg/km)
ICEA S-121-733 - 15kV Covered Conductor (ACSR Core)				
2 AWG	6/1	150 mils / 3.81 mm	0.66 in / 16.8 mm	195 lbs / 290 kg
1/0 AWG	6/1	150 mils / 3.81 mm	0.75 in / 19.0 mm	255 lbs / 380 kg
2/0 AWG	6/1	150 mils / 3.81 mm	0.80 in / 20.3 mm	300 lbs / 446 kg
3/0 AWG	6/1	150 mils / 3.81 mm	0.85 in / 21.6 mm	350 lbs / 520 kg
4/0 AWG	6/1	150 mils / 3.81 mm	0.91 in / 23.1 mm	415 lbs / 617 kg
266.8 MCM	26/7	150 mils / 3.81 mm	1.00 in / 25.4 mm	525 lbs / 781 kg
336.4 MCM	26/7	150 mils / 3.81 mm	1.08 in / 27.4 mm	620 lbs / 922 kg
477.0 MCM	26/7	150 mils / 3.81 mm	1.20 in / 30.5 mm	820 lbs / 1220 kg

ICEA S-121-733 - 35kV Covered Conductor (High-Strength AAAC Core)

Reference table for preliminary selection and quotation review.

Size (AWG/MCM)	Conductor Stranding (Alloy)	Insulation Thickness (mils / mm)	Approx. Overall Dia. (in / mm)	Approx. Weight (lbs/1000ft / kg/km)
ICEA S-121-733 - 35kV Covered Conductor (High-Strength AAAC Core)				
1/0 AWG	7 wires	345 mils / 8.76 mm	1.15 in / 29.2 mm	480 lbs / 714 kg
2/0 AWG	7 wires	345 mils / 8.76 mm	1.20 in / 30.5 mm	540 lbs / 803 kg
3/0 AWG	7 wires	345 mils / 8.76 mm	1.25 in / 31.7 mm	600 lbs / 892 kg
4/0 AWG	7 wires	345 mils / 8.76 mm	1.31 in / 33.3 mm	680 lbs / 1011 kg
266.8 MCM	19 wires	345 mils / 8.76 mm	1.39 in / 35.3 mm	780 lbs / 1160 kg
336.4 MCM	19 wires	345 mils / 8.76 mm	1.46 in / 37.1 mm	870 lbs / 1294 kg
477.0 MCM	19 wires	345 mils / 8.76 mm	1.57 in / 39.9 mm	1070 lbs / 1592 kg