

ACSR Conductor (BS 215-2 / DIN 48204 / NFC 34-125)

Bare overhead conductor for standard-based line selection

ACSR Conductor (BS 215-2 / DIN 48204 / NFC 34-125) is prepared for preliminary product selection and quotation review. This product is used for overhead line routes where conductor material, stranding, rated strength and DC resistance must be reviewed against the selected project standard. Final selection should consider span length, mechanical loading, route environment and local utility requirements.



VOLTAGE

Not voltage-rated; selected by conductor standard and line design

CONDUCTOR

Steel or reinforced conductor route, according to standard

TYPICAL USE

Overhead transmission and distribution lines

STANDARDS

BS 215-2; DIN 48204; NFC 34-125; EN 50182; additional project standards

DATA SCOPE

2 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm standard route, conductor size, stranding, strength and line design.

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

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Application & Selection Summary

Typical applications

- Overhead transmission and distribution lines
- utility feeder routes
- substation or busbar connections
- replacement projects requiring standard-based bare conductor selection.

Selection logic

- Review the required standard route first.
- Compare conductor area, stranding, rated strength, DC resistance and overall diameter.
- For higher tension or long spans, compare with reinforced or alloy conductor alternatives.

Construction Overview

Item	Website-ready content
Product route	Concentric-lay stranded bare conductor. Material and reinforcement depend on the selected product type and standard route.
Voltage	11kV, 400kV
Conductor	Steel or reinforced conductor route, according to standard
Standards	BS 215-2; DIN 48204; NFC 34-125; EN 50182; IEC 61089
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
BS 215 Part 2 ACSR (The 'Animal' Series)	11.62 / 1.94 - 428.9 / 55.60	6/1.57 + 1/1.57 - 54/3.18 + 7/3.18	See table	47 - 1621
DIN 48204 ACSR (The 'Precision Metric' Series)	35 / 6 - 380 / 50	6/2.76 + 1/2.76 - 54/3.00 + 7/3.00	See table	141 - 1453

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.

BS 215 Part 2 ACSR (The 'Animal' Series)

Reference table for preliminary selection and quotation review.

Code Name	Stranding (Al / St)	Nominal Area (Al / St mm ²)	Approx. OD (mm)	Weight (kg/km)	Min. UTS (kN)	DC Res. @20°C (Ω/km)
BS 215 Part 2 ACSR (The 'Animal' Series)						
Squirrel	6/1.57 + 1/1.57	11.62 / 1.94	4.71	47	7.90	2.450
Weasel	6/2.59 + 1/2.59	31.61 / 5.27	7.77	128	11.40	0.908
Rabbit	6/3.35 + 1/3.35	52.88 / 8.81	10.05	214	18.35	0.543
Horse	12/2.79 + 7/2.79	73.37 / 42.80	13.95	538	61.20	0.393
Dog	6/4.72 + 7/1.57	105.0 / 13.50	14.15	394	32.70	0.273
Wolf	30/2.59 + 7/2.59	158.0 / 36.90	18.13	726	69.20	0.183
Lynx	30/2.79 + 7/2.79	183.4 / 42.80	19.53	842	79.80	0.158
Panther	30/3.00 + 7/3.00	212.1 / 49.50	21.00	974	89.60	0.136
Zebra	54/3.18 + 7/3.18	428.9 / 55.60	28.62	1621	131.90	0.067

DIN 48204 ACSR (The 'Precision Metric' Series)

Reference table for preliminary selection and quotation review.

Nominal Size (Al/St)	Stranding (Al / St mm)	Approx. OD (mm)	Weight (kg/km)	Min. UTS (kN)	DC Res. @20°C (Ω/km)
DIN 48204 ACSR (The 'Precision Metric' Series)					
35 / 6	6/2.76 + 1/2.76	8.28	141	11.30	0.835
50 / 8	6/3.20 + 1/3.20	9.60	190	16.00	0.595
70 / 12	26/1.85 + 7/1.44	11.70	285	23.50	0.413
95 / 15	26/2.15 + 7/1.67	13.60	384	32.00	0.306
120 / 20	26/2.44 + 7/1.90	15.50	495	40.80	0.237
150 / 25	26/2.70 + 7/2.10	17.10	605	49.30	0.194
240 / 40	26/3.45 + 7/2.68	21.90	986	79.70	0.119
300 / 50	26/3.86 + 7/3.00	24.50	1238	98.20	0.095
380 / 50	54/3.00 + 7/3.00	27.00	1453	111.40	0.075