

Aerial Bundled Cable (ABC) - AS/NZS 3560.1 (0.6/1 kV)

Overhead cable for aerial distribution and service connection

Aerial Bundled Cable (ABC) - AS/NZS 3560.1 (0.6/1 kV) 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

0.6/1kV

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

AS/NZS 3560; AS/NZS 1125; AS/NZS 3808

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	0.6/1kV
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	AS/NZS 3560; AS/NZS 1125; AS/NZS 3808
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
Duplex ABC (2-Core) - Service Drop	2 x 16 mm ² (Non-Compacted) - 4 x 50 mm ² (Compacted)	See table	See table	135 - 700
Quadruplex ABC (4-Core) - High Capacity Mains	4 x 70 mm ² (Compacted) - 4 x 95 mm ² + 1 x 16 mm ² (Light)	See table	See table	975 - 1400

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.

Duplex ABC (2-Core) - Service Drop

Reference table for preliminary selection and quotation review.

Size & Configuration	Phase Cond. Dia. (mm)	Insulation Thickness (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Max DC Res. @20°C (Ω/km)
Duplex ABC (2-Core) - Service Drop					
2 x 16 mm ² (Non- Compacted)	4.7	1.2	14.5	135	1.91
2 x 25 mm ² (Compacted)	5.9	1.2	16.8	190	1.20
Quadruplex ABC (4-Core) - Low/Medium Capacity Mains					
4 x 16 mm ² (Non- Compacted)	4.7	1.2	17.5	270	1.91
4 x 25 mm ² (Compacted)	5.9	1.2	20.2	380	1.20
4 x 35 mm ² (Compacted)	6.9	1.2	22.6	510	0.868
4 x 50 mm ² (Compacted)	8.1	1.5	27.0	700	0.641

Quadruplex ABC (4-Core) - High Capacity Mains

Reference table for preliminary selection and quotation review.

Size & Configuration	Phase Cond. Dia. (mm)	Insulation Thickness (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Max DC Res. @20°C (Ω/km)
Quadruplex ABC (4-Core) - High Capacity Mains					
4 x 70 mm ² (Compacted)	9.7	1.5	31.5	975	0.443
4 x 95 mm ² (Compacted)	11.4	1.7	36.2	1330	0.320
4 x 120 mm ² (Compacted)	12.9	1.7	40.0	1650	0.253
4 x 150 mm ² (Compacted)	14.2	1.7	42.5	1950	0.206
ABC with Integrated Street Lighting Core					
4 x 95 mm ² + 1 x 16 mm ² (Light)	11.4 / 4.7	1.7 / 1.2	37.5	1400	0.320 / 1.91