

MV Aerial Bundled Cable (ABC) - 6.35/11(12) kV AS/NZS 3

Overhead cable for aerial distribution and service connection

MV Aerial Bundled Cable (ABC) - 6.35/11(12) kV AS/NZS 3599.1 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

11kV, 12kV

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

AS/NZS 3599

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.

ethan@farwalkcable.com | +86 155 5800 6344

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	11kV, 12kV
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	AS/NZS 3599
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
AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare AAAC Alloy Mess	3 x 35 mm ² + 50 mm ² - 3 x 150 mm ² + 70 mm ²	23.5 - 31.8	See table	1550 - 3350
AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare GSW Messenger)	3 x 35 mm ² + 50 mm ² - 3 x 150 mm ² + 70 mm ²	23.5 - 31.8	See table	1850 - 3750

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.

AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare AAAC Alloy Messenger)

Reference table for preliminary selection and quotation review.

Size (Phase + Messenger)	Insulation Thickness (mm)	Phase Core Dia. (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Min. Messenger Breaking Load (kN)
AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare AAAC Alloy Messenger)					
3 x 35 mm ² + 50 mm ²	3.4	23.5	51.5	1550	14.2
3 x 50 mm ² + 50 mm ²	3.4	24.8	54.2	1750	14.2
3 x 70 mm ² + 50 mm ²	3.4	26.5	58.0	2080	14.2
3 x 95 mm ² + 70 mm ²	3.4	28.5	62.5	2450	19.8
3 x 120 mm ² + 70 mm ²	3.4	30.0	66.5	2920	19.8
3 x 150 mm ² + 70 mm ²	3.4	31.8	70.2	3350	19.8

AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare GSW Messenger)

Reference table for preliminary selection and quotation review.

Size (Phase + Messenger)	Insulation Thickness (mm)	Phase Core Dia. (mm)	Approx. Bundle OD (mm)	Approx. Weight (kg/km)	Min. Messenger Breaking Load (kN)
AS/NZS 3599.1 11kV MV ABC (3 Phases + Bare GSW Messenger)					
3 x 35 mm ² + 50 mm ²	3.4	23.5	51.5	1850	42.0
3 x 50 mm ² + 50 mm ²	3.4	24.8	54.2	2050	42.0
3 x 70 mm ² + 50 mm ²	3.4	26.5	58.0	2380	42.0
3 x 95 mm ² + 70 mm ²	3.4	28.5	62.5	2850	58.0
3 x 120 mm ² + 70 mm ²	3.4	30.0	66.5	3320	58.0
3 x 150 mm ² + 70 mm ²	3.4	31.8	70.2	3750	58.0