ALVOLTA
BUILT FOR POWER



ALVOLTA SOLAR PRELOAD

2x4mm, 4x4mm, 6x4mm & 2x6mm

Key Features:

- AS5033 Compliant
- UV Resistant
- Designed in Australia
- Heavy-Duty, Durable Design
- Reduces Install Time by 20%

Suitable for:

1 YEAR WARRANTY

ALVOLTA
BUILT FOR POWER

ALVOLTA SOLAR PRELOAD

2x4mm, 4x4mm, 6x4mm & 2x6mm

Specifications:

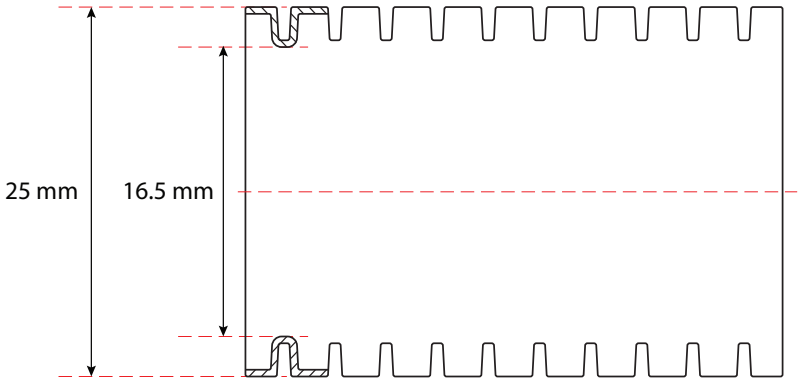
Model	Preload2x4	Preload4x4	Preload6x4	Preload2x6
Solar Cable				
Nominal Voltage	1.0/1.0kVSC - 1.5kVDC			
Rated Voltage	1500V DC			
Conductor Structure	52N/0.3mm	52N/0.3mm	52N/0.3mm	78N/0.3mm
Conductor Resistance at 20°C	5.09 Ω/km	5.09 Ω/km	5.09 Ω/km	3.39 Ω/km
Insulation Thickness	0.7mm			
Sheath Thickness	0.8mm			
Diameter	5.4±0.2	5.4±0.2	5.4±0.2	6.1±0.25
Length	50m	50m	30m	50m
Protection	UV Resistant, Halogen Free			
Compliance	IEC62930, EN50618			
Earth Cable				
Nominal Voltage	0.6/1.0kVAC			
Rated Voltage	1500V DC			
Conductor Structure	52N/0.3mm	52N/0.3mm	52N/0.3mm	78N/0.3mm
Conductor Resistance at 20°C	5.09 Ω/km	5.09 Ω/km	5.09 Ω/km	3.39 Ω/km
Insulation Thickness	0.8mm			
Diameter	4.3±0.2	4.3±0.2	4.3±0.2	4.85±0.2
Length	50m	50m	30m	50m
Protection	UV Resistant, Halogen Free			
Compliance	EN50525, TÜV H07V-K, RoHS			
Conduit				
Description	25mm Solar Conduit	25mm Solar Conduit	32mm Solar Conduit	25mm Solar Conduit
Material	PVC			
Colour	Grey			
Printing	Pre-printed, UV Stabilised			
Outside Diameter	25 +0,-0.4mm	25 +0,-0.4mm	32 +0,-0.4mm	25 +0,-0.4mm
Compliance	AS/NZS 2053 2024			

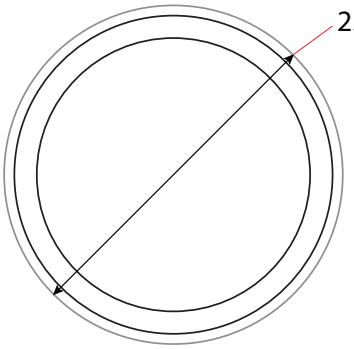
*All data and specifications provided in this datasheet are tested under standard test conditions, and may deviate marginally from actual values. Alvolta and its associates reserve the right to make modifications to the provided information without notice. Alvolta maintains the goal to supply customers with the most recent information regarding its products.

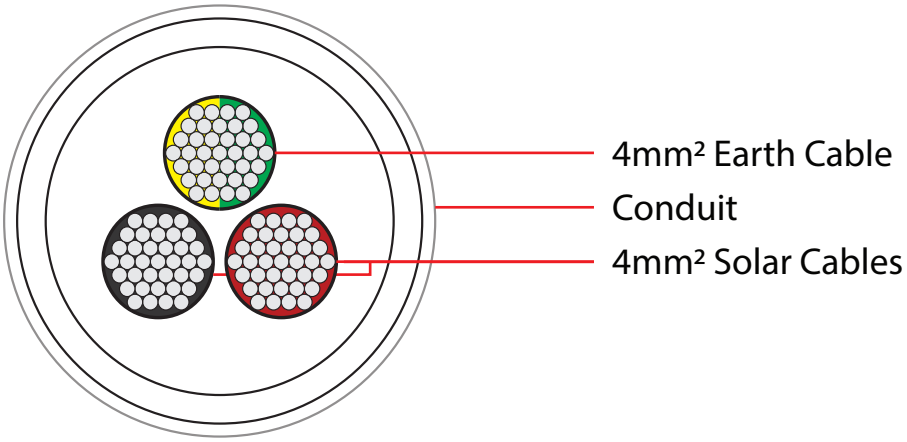
ALVOLTA SOLAR PRELOAD

Preload 2x4mm

Model Diagram:



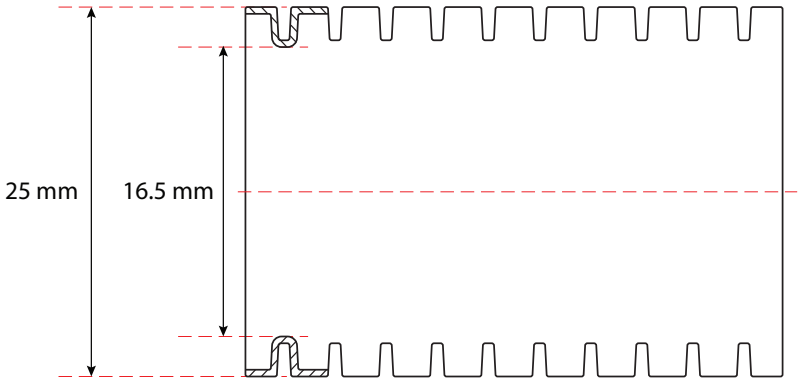


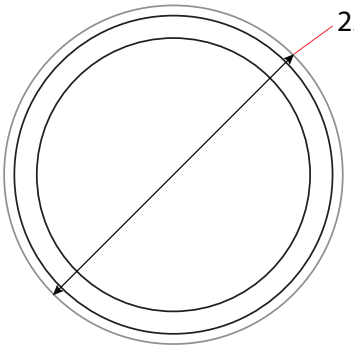


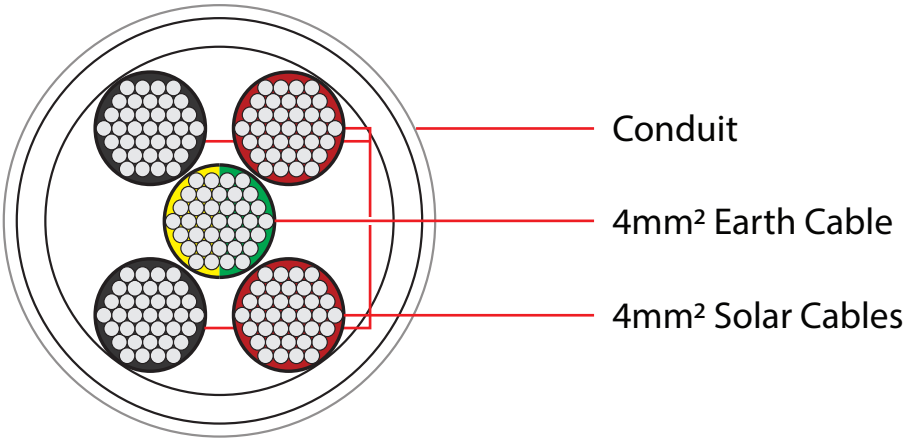
ALVOLTA SOLAR PRELOAD

Preload 4x4mm

Model Diagram:



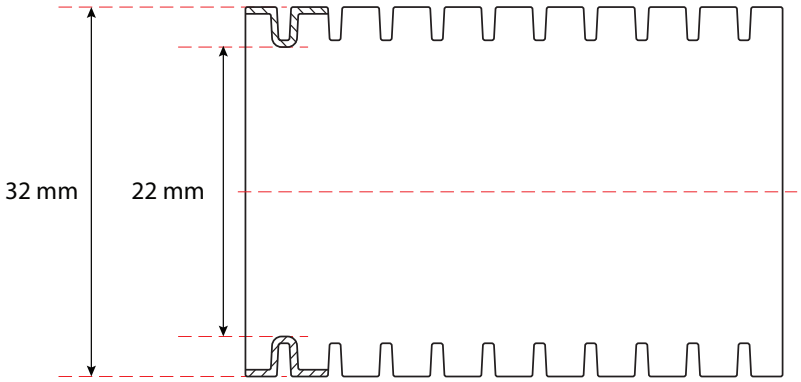


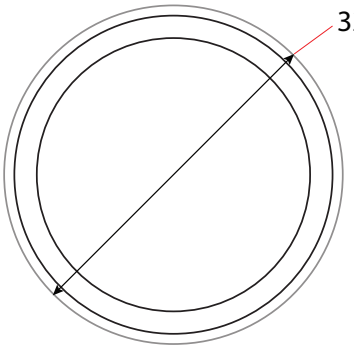


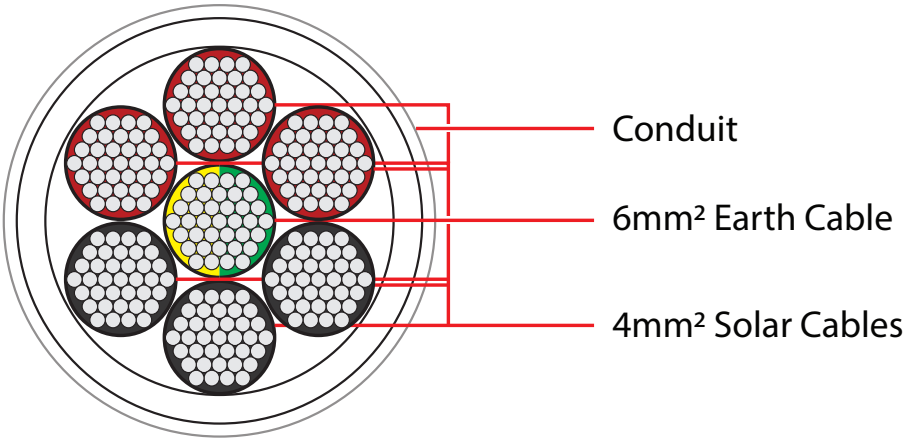
ALVOLTA SOLAR PRELOAD

Preload 6x4mm

Model Diagram:







ALVOLTA SOLAR PRELOAD

Preload 2x6mm

Model Diagram:

