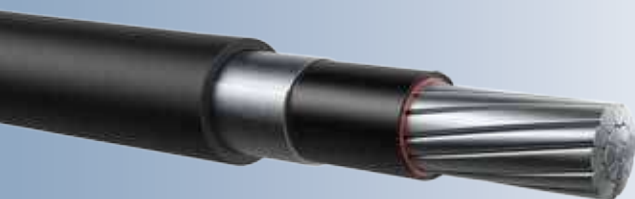


SOLARpower Alu-ATA

Low voltage cable, halogen free



NEW

SOLARpower Alu-ATA



Advantages

- Halogen-free
- XLPE Insulation and termigon jacket
- Termite and rodent protection
- UV resistant
- Transversal watertight
- Simple feed, low friction of the sheath
- Aluminium shield, suitable as grounding and protective earth and for EMC shielding

Applications

Halogen free. UV resistant low voltage cable. Especially well suited for outdoor applications and burial directly in the ground thanks to the very robust outer sheath and the aluminium shield.

Construction

- Conductor Aluminium stranded wire, compacted. class 2
- Insulation XLPE. halogen free
- Armouring Aluminium tube / extra hard compound
- Jacket Copolymer, halogen free
termite and rodent protection
- Jacket colour ● black

Electrical characteristics

Max. voltage acc. to EN50618 $U_m = 1800 \text{ V DC}$
 Rated voltage $U_0/U = 1500 \text{ V} / 1500 \text{ V DC}$
 $U_0/U = 1000 / 1000 \text{ V AC}, 50\text{Hz}$
 Test voltage 6500 V, 50 Hz, 5 min.
 (Conductor / Shielding)

Thermal characteristics

Operating temperature -40°C up to $+90^\circ\text{C}$
 -40°F up to $+194^\circ\text{F}$
 Ambient temperature -40°C up to $+90^\circ\text{C}$
 Min. permissible installation temperature -10°C
 Max. short circuit temp. $+250^\circ\text{C}, +482^\circ\text{F} / 5 \text{ s}$

Bending radius

Fixed installation $> 12 \times \varnothing$

Standards / Material properties

- Halogen free: IEC 60754-1; EN 50267-2-1
- Based on BS 5467 and EN50618

Current rating

>> see page 26 below

Construction	Conductor- \varnothing	Outer- \varnothing	Resistance max.*	Voltage drop*	Weight	Order no.
$n \times \text{mm}^2$	mm	mm	m Ω /m	mV/Am	kg/km	
1 \times 50/18	8.16	16.80	0.641	1.282	315	309014
1 \times 70/20	9.90	18.70	0.443	0.886	402	309015
1 \times 95/22	11.50	20.50	0.320	0.640	500	309016
1 \times 120/24	12.85	22.05	0.253	0.506	600	309526
1 \times 150/26	14.20	24.40	0.206	0.412	717	308457
1 \times 185/28	16.40	27.20	0.164	0.328	882	309527
1 \times 240/31	18.30	29.30	0.125	0.250	1069	309528
1 \times 300/33	20.45	31.85	0.100	0.200	1282	309529
1 \times 400/39	23.66	36.10	0.0778	0.1556	1648	309530
1 \times 500/43	26.40	39.40	0.0605	0.1210	2016	309905

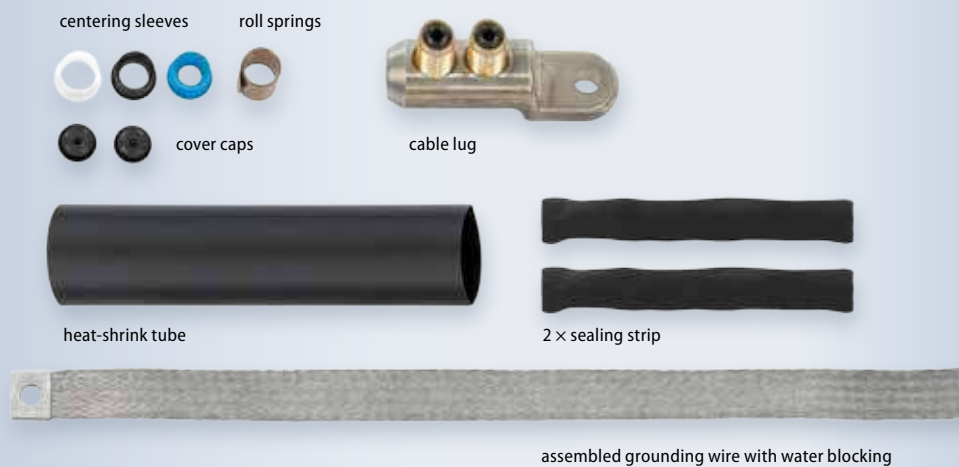
* at 20°C

SOLARpower Alu-ATA

Accessories

Advantages

- Includes all materials for the installation
- Reliable and harmonized connection and grounding concept
- With accurate use, acc. to the instruction manual, no contact corrosion due to durable sealing
- Consistently safe contact with the aluminium conductor and the earthing screen
- Grounding wire in tinned copper braid with water blocking



NEW

SOLARpower Alu-ATA Terminal and grounding kit

Applications

The set includes all materials which are required for a safe, permanent connection and a proper grounding.

Content

- Instruction manual
- Pfisterer cable lug M12 with 13 mm hole
- Assembled grounding wire 0.5 m
- 2 x sealing strip 152 mm
- Roll springs
- Heat-shrink tube MDT-A, black colour



Article	Order no.
SOLARpower Alu-ATA 50 – 95 Terminal and grounding kit	310767
SOLARpower Alu-ATA 95 – 240 Terminal and grounding kit	310768
SOLARpower Alu-ATA 300 Terminal and grounding kit	310769

Terminal and grounding kit fully assembled

