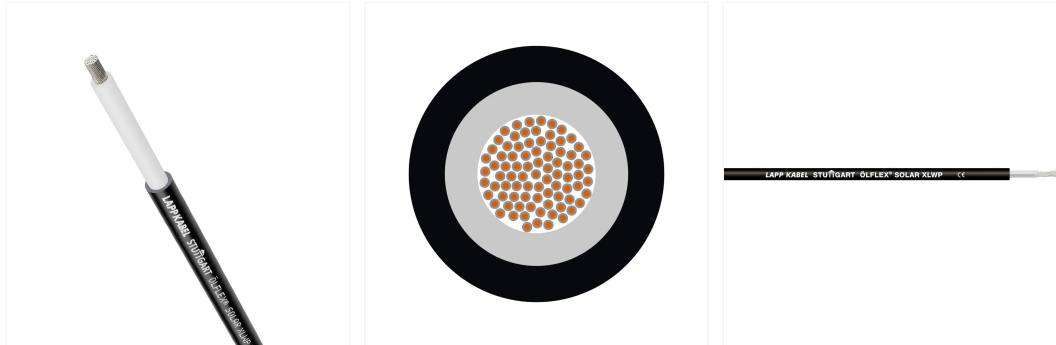


ÖLFLEX® SOLAR XLWP 1x4 WH/BK

Article No.: 1023601

Solar cable; 1X4; black; 0.228 in; Operating voltage (max.): 1,8kVDC; Electron-beam cross-linked polymer compound; Flexible; Long-time water submersion up to: 32.808ft; ; HalogenfreeImpact resistance test according to: UL854; Crushing resistance test according to: UL854



Details

Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Remarks

The expected service life under normal conditions of use according to EN 50618 is 25 years.

Technical Data

General information

Brand	ÖLFLEX®
Product type	Solar cable
Copper index	258.04 lb/10000 ft
Industry segment	Energy Solar

Electrical parameters

Nominal voltage	U ₀ /U: 1 /1 kV AC rms according to IEC U ₀ /U: 1,5/1,5 kV DC according to IEC
Operating voltage (max.)	1,8 kV DC
test voltage	6.5 kV
Current rating according to	EN 50618 HD 60364-5-52
Short-circuit temperature [5s]	250 °C

Product design

Harmonized product type	H1Z2Z2-K
Cable dimension	1X4
Nominal cross section conductor (mm ²)	4 mm ²
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	No
Number of cores	1
With armoring	No
With inner sheath	No
Nominal conductor diameter	0.15 in
Min. outer diameter	0.224 in
Nominal outer diameter	0.228 in
Max. outer diameter	0.24 in
Cable form	Round
Core insulation base material	Electron-beam cross-linked polymer compound

Conductor insulation basic material, short form	XLPE
Insulation color	white
Basic material of outer jacket	Electron-beam cross-linked polymer compound
Base material of outer sheath, shortname	XLPE
Outer jacket color	black

Product features

Application area	Flexible Fixed Installation
Impact resistance test according to	UL 854
Crushing resistance test according to	UL 854
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	0.961 in
Minimum bending radius, occasionally moved	4 x outer diameter
Minimum bending radius in mm, occasionally moved	0.961 in
Temperature, fixed installation	-40 °C to 120 °C max. conductor temperature according to EN
Temperature, occasionally moved	-25 °C to 120 °C max. conductor temperature according to EN
Installation temperature min.	-25 °C
Storage temperature max.	-40 °C
Storage temperature maximum	40 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
low smoke density according to	IEC 61034-2
Corrosiveness of combustion gases according to	IEC 60754-2 EN 50267-2-2
UV-resistant	Yes
UV-resistant according to	EN 50618 EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)

weather resistant	Yes
Weather-resistant according to	EN 50618
Ozone-resistant	Yes
ozone resistant according to	EN 50396, method B
Chemical resistant	Yes
Halogenfree	Yes
Halogen-free according to	EN 50525-1 Annex B IEC 60754-1 EN 50267-2-1 IEC 60754-2 EN 50267-2-2
Oil resistant	No
Water resistant	Yes
Permanently immersible in water	Yes
Long-time water submersion up to	32.808 ft

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EA3C RU C-DE.AH064.B.00091/19
HAR-certified	No
Product standard DIN / EN	EN 50618
TÜV certified	Yes

ÖLFLEX® SOLAR XLWP

Article No.	Name	Nominal cross section conductor (mm ²)	Outer jacket color	Nominal outer diameter	Copper index
1023601	ÖLFLEX® SOLAR XLWP 1x4 WH/BK	4 mm ²	black	0.228 in	258.04 lb/10000 ft
1023602	ÖLFLEX® SOLAR XLWP 1x6 WH/BK	6 mm ²	black	0.252 in	387.06 lb/10000 ft
1023603	ÖLFLEX® SOLAR XLWP 1x10 WH/BK	10 mm ²	black	0.299 in	645.09 lb/10000 ft
1023621	ÖLFLEX® SOLAR XLWP 1x4 WH/BKRD	4 mm ²	black/red	0.228 in	258.04 lb/10000 ft
1023622	ÖLFLEX® SOLAR XLWP 1x6 WH/BKRD	6 mm ²	black/red	0.252 in	387.06 lb/10000 ft
1023625	ÖLFLEX® SOLAR XLWP 1X4 WH/BKBU	4 mm ²	black/blue	0.228 in	258.04 lb/10000 ft
1023626	ÖLFLEX® SOLAR XLWP 1X6 WH/BKBU	6 mm ²	black/blue	0.252 in	387.06 lb/10000 ft

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