

ÖLFLEX® DC ESS SC

Cable best designed for ESS satisfying DC 1500V Standards According to EN50618

ÖLFLEX® DC ESS SC is a halogen free, highly flame retardant DC power cable



Flame-retardant



Halogen-free



Oil-resistant



Temperature-resistant



UV-resistant

Benefits

Easy installation due to flexible design

Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires

Reduction of flme propagation, density and toxicity of smoke gases in event of fire

Application range

Internal and External wiring within Energy Storage System(ESS)

For outdoor applications

Product features

Fire behaviour: Halogen-free (IEC 60754-1), No corrosive gases (IEC 60754-2), Low smoke density (IEC 61034-2), Low toxicity (EN 50305), Flame retardant (IEC 60332-1-2)

No flame propagation according to IEC 60332-3-24, IEC 60332-3-25

Oil resistant acc. IEC 60227-1 (ST9) and EN 50264-1 (EM 104)

Ozone resistant according to EN 50396

Last Update (25.04.2024)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® DC ESS SC

UV resistant according to ISO 4892-2

Norm references / Approvals

Cable design according to EN 50618

Product Make-up

Conductor: Fine wire strands of tinned copper

Core insulation: Halogen-free flame retardant cross-linked polyolefin compound

Outer sheath: Special halogen-free flame retardant cross-linked polyolefin compound

Outer sheath colour: Black

Technical Data

Temperature range:	Fixed installation: -40° C up to +120 °C max. conductor temperature
Minimum bending radius:	Occasional flexing: 15 x outer diameter, Fixed installation: 5 x outer diameter
Nominal voltage:	DC 1500 V
Conductor stranding:	Fine wire strands of tinned copper accordance to VDE 0295 Class 5 / IEC 60228 Class 5
Test voltage:	AC 6500 V

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
85153001	1 X 1.5	4.6	black	14	20
85153002	1 X 2.5	5.0	black	24	30
85153003	1 X 4.0	5.4	black	38	46
85153004	1 X 6.0	6.0	black	58	66
85153005	1 X 10.0	7.2	black	96	106
85153006	1 X 16.0	8.7	black	154	174
85153007	1 X 25.0	10.6	black	240	271
85153008	1 X 35.0	12.2	black	336	376
85153009	1 X 50.0	14.4	black	480	524
85153010	1 X 70.0	16.4	black	672	728
85153011	1 X 95.0	18.4	black	912	981
85153012	1 X 120.0	20.2	black	1152	1233
85153013	1 X 150.0	22.4	black	1440	1541
85153014	1 X 185.0	25.2	black	1776	1904
85153015	1 X 240.0	28.6	black	2304	2446
85153016	1 X 300.0	32.0	black	2880	3050
85153017	1 X 400.0	36.0	black	3840	4047