

## 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



Easy installation due to flexible design

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

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

Internal and External wiring within Energy Storage System(ESS)

For outdoor applications

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)

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data sheet

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# ÖLFLEX® DC ESS SC

Ozone resistant according to EN 50396  
UV resistant according to ISO 4892-2

Cable design according to EN 50618

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

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

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

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