

# Power and control cables



Special applications • ESS



## ÖLFLEX® DC ESS SC A

Excellent fire resistance DC power cable for industrial ESS



### Benefits

- UL approved
- 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

### Application range

- Internal and External wiring within Energy Storage System(ESS)
- For 90°C wet or dry operation
- General wiring application
- For outdoor applications

### Product features

- Flame-retardant according to FT4, FT-2, IEC 60332-1-2
- Halogen-free according to IEC 60754-1 & IEC 60754-2
- Low smoke density according to IEC 61034-2
- CT rated 4/0 AWG and larger
- UV Resistance UL 1581
- Ozone resist. EN 50396

### Norm references / Approvals

- Cable design according to UL44 RHW-2
- UL File No. E506608

### Product Make-up

- Fine wire strands of tinned copper, Class 5
- Core insulation: Special halogen-free flame retardant cross-linked polyolefin compound
- Colour: Black



### Info

- ESS FLEX is a halogen free, highly flame retardant power cable
- For use within ESS system

### Technical data



#### Conductor stranding

Fine wire strands of tinned copper accordance to VDE 0295 Class 5 / IEC 60228 Class 5



#### Minimum bending radius

Occasional flexing: 15 x outer diameter, Fixed installation: 5 x outer diameter



#### Rated voltage

2000V



#### Test voltage

6.0 kV ~ 11.0 kV



#### Temperature range

Fixed installation: -40°C to +90°C

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® DC ESS SC A</b>				
85154001	1x1.5	4.58	14	20
85154002	1x2.5	5.03	24	30
85154003	1x4	5.54	38	45
85154004	1x6	6.63	58	67
85154005	1x10	7.62	96	108
85154006	1x16	9.2	154	176
85154007	1x25	10.53	240	269
85154008	1x35	13	336	379
85154009	1x50	14.77	480	526
85154010	1x70	16.64	672	727
85154011	1x95	19.33	912	985
85154012	1x120	20.98	1152	1238
85154013	1x150	22.71	1440	1537
85154014	1x185	24.71	1776	1889
85154015	1x240	28.36	2304	2434
85154016	1x300	31.1	2880	3036
85154017	1x400	36.5	3840	4025

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