

# Bitflex® TWIN LSOH



Extra flexible battery cable, rated 300/500 V



## Technical data:

### Thermal parameters:

Temperature range: -25 °C to 70 °C

### Electrical parameters:

Operating voltage: 300/500 V

Test voltage (50 Hz): 3000 V

### Mechanical parameters:

Min bending radius: 6 x Ø

## Standards:

Based on VDE 0250

## Design:

### Conductors:

highly flexible plain copper conductors, multi-stranded class 6 acc. to EN 60228

### Insulation:

acid resistant TPE (thermoplastic elastomer)

### Core identification:

red/black

### Outer sheath:

special acid resistant halogen-free compound; colour: black

## Application:

Highly flexible battery cable, with TPE insulation and halogen-free outer sheath, used mainly on battery powered equipment such as forklift trucks, field conveyors and in motorized vehicles. Can also be used as jumper cables. Suitable for use in dry and wet environment both indoors and outdoors. Cables classified according to EN 50575 (CPR).

Cat. no.	n x mm <sup>2</sup>	Max wire dia. [mm]	Calculated outer diameter* [mm]	Approximate cable weight [kg/km]	Current rating at 30 °C [A]	Current rating Jumper cable (max. 3 min.) [A]
EM8807	2x6	0,21	6,6x14,2	165	58	150
EM8808	2x10	0,21	7,7x16,5	250	80	220
EM8809	2x16	0,21	8,8x19,0	360	107	300
EM8810	2x25	0,21	10,9x23,1	570	138	400
EM8811	2x35	0,21	11,8x25,0	740	171	500
EM8812	2x50	0,21	14,0x29,2	1060	209	600

## Conversion factors

ambient temperature	Up to 30	30 ÷ 35	35 ÷ 40	40 ÷ 45	45 ÷ 50	50 ÷ 55	55 ÷ 60	60 ÷ 65
conversion factor	1	0,94	0,87	0,79	0,71	0,61	0,5	0,35

\*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice

Note: on customer's request other cross sections or number of cores can be produced