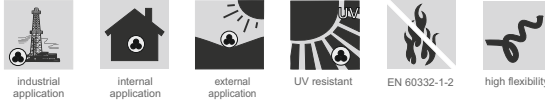


BITflex® TWIN

Extra flexible battery cable, rated 300/500 V



Special application cables



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 PVC/NBR
Core identification: red/blue
Outer sheath: transparent PVC

Application:

Highly flexible battery cable, with PVC/NBR insulation and PVC 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 ²	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]
EM8797	2x6	0,21	6,6x14,2	175	58	150
EM8798	2x10	0,21	7,7x16,5	260	80	220
EM8799	2x16	0,21	8,8x19,0	370	107	300
EM8800	2x25	0,21	10,9x23,1	580	138	400
EM8801	2x35	0,21	11,8x25,0	760	171	500
EM8802	2x50	0,21	14,0x29,2	1080	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