

# BIT NSHXAFOE

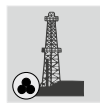
RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



industrial application



internal application



EN 60332-1



EN 60332-3



high flexibility

halogen-free  
EN 61034low smoke emission  
EN 61034

## Technical data:

Halogen-free power cables for power supply acc. to VDE 0250 part. 606

### Operating temperature:

Fixed system: -40°C to 90°C

Flexible systems: -5°C to 90°C

### Permissible operating temperature at conductor: 90°C

Nominal voltage:  $U_0/U=1,8/3kV$

Test voltage: 6kV

### Max. permissible operating voltage for three and one phase

AC:  $U_0/U=2,16/3,6 kV$

DC:  $U_0/U=2,7/5,4 kV$

### Min. bending radius:

flexible connections:  $10x\varnothing$

fixed installations:  $6x\varnothing$

## Construction:

**Conductors:** tinned copper conductor, fine wire to DIN VDE 0295 cl. 5, EN 60228 cl. 5

**Insulation:** special rubber 3GI3 acc. to DIN VDE0207 part 20

**Sheath:** halogen-free polymer sheath HN3 acc. to DIN VDE 0207 part 24

**Sheath colour:** black

## Application:

Particularly suitable for protection against short circuits in laying and for inherently earth-fault proof routing in rail vehicles. Also suitable for laying in dry environments. In switching units and distributors. Cables classified according to **EN 50575 (CPR)**.

## Features:

- Ozone resistance
- UV resistance
- High insulation resistance
- Resistant against fats, oil and aliphatic hydrocarbons

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM6020	1x1,5	5,8	60	14
EM6021	1x2,5	6,3	75	24
EM6022	1x4	6,7	90	38
EM6023	1x6	8,4	130	58
EM6024	1x10	9,7	180	96
EM6025	1x16	10,6	260	154
EM6026	1x25	13,2	400	240
EM6027	1x35	14,2	490	336

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EM6028	1x50	15,8	640	480
EM6029	1x70	17,6	880	672
EM6030	1x95	20,1	1200	912
EM6031	1x120	21,3	1450	1152
EM6032	1x150	24,0	1750	1440
EM6033	1x185	26,6	2200	1776
EM6034	1x240	29,3	2800	2304
EM6035	1x300	32,0	3250	2880

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