

EMC optimized motor cable, low capacitance, double screened

Product Description

Allows EN 61800-3 conform, EMC -conform erection of power drive systems;For very large power drive systems;More technical details, see data sheeth DB0036425EN



Application range

- Interconnection between frequency converter and motor
- Paper industry
- Chemical industry
- Heavy industry

Benefits

- Allows EN 61800-3 conform, EMC -conform erection of power drive systems
- For very large power drive systems
- More technical details, see data sheeth DB0036425EN

Design

- Fine strands of bare copper wires
- Core insulation: Polyethylene (PE)
- Cores twisted concentrically (this is respectively between the gusset in protective conductors divided into three)
- Over the cores aluminium foil
- Screening braid of tinned copper wires
- 4-core design: PVC -outer sheath, transparent
- 3+3 cond version: PVC -outer sheath, black, for outdoor use and direct burial

Product features

- Its low capacity design allows longer cable lengths between the frequency converter and motor.



- In dry, wet and damp interiors
- The 2YSLCYK black version can also be used outdoors in direct UV rays. Direct burial in the ground is also possible.
- Flame retardant (IEC 60332-1-2)

Technical Data

Core identification code

Colours according to HD 308 S2 VDE 0293-308

Based on

VDE 0207 / 0250 / 0295

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

Occasional flexing: 15 x cable diameter
Static: 4 x cable diameter

Rated voltage

U0/U:

0.6/1kV

Test voltage

4000 V

Protective conductor

This is distributed evenly in the gusset in protective conductors divided into three

Range of temperature

Flexing: -5°C up to +70°C

Fixed installation: -40°C up to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036425	4 G 1,5	11,4	95.0	230
0036426	4 G 2,5	12,4	150.0	300
0036427	4 G 4	15,6	235.0	485
0036428	4 G 6	17,0	320.0	630
0036429	4 G 10	19,6	533.0	860
0036430	4 G 16	22,1	789.0	1290
0036431	4 G 25	26,3	1236.0	1860
0036432	4 G 35	29,5	1662.0	2610
0036433	4 G 50	35,8	2345.0	2950
0036434	4 G 70	40,3	3196.0	3950
0036435	4 G 95	46,5	4316.0	5300
0036436	4 G 120	53,2	5435.0	6600
0036437	4 G 150	57,3	6394.0	7043

0036438	4 G 185	62,3	7639.0	8384
0036439	3 X 1,5 + 3 G 0,25	11,4	88.0	140
0036440	3 X 2,5 + 3 G 0,5	12,2	144.0	220
0036441	3 X 4 + 3 G 0,75	14,4	224.0	323
0036442	3 X 6 + 3 G 1,0	15,7	276.0	420
0036443	3 X 10 + 3 G 1,5	18.0	491.0	615
0036444	3 X 16 + 3 G 2,5	20,2	723.0	819
0036445	3 X 25 + 3 G 4	23,8	1136.0	1325
0036446	3 X 35 + 3 G 6	26,9	1535.0	1718
0036447	3 X 50 + 3 G 10	32,6	2156.0	2399
0036448	3 X 70 + 3 G 10	36,4	2871.0	3056
0036449	3 X 95 + 3 G 16	42.0	3953.0	4162
0036450	3 X 120 + 3 G 16	47,8	4836.0	5074
0036451	3 X 150 + 3 G 25	51,6	5412.0	6128
0036479	3 X 185 + 3 G35	56,5	7041.0	7500

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.