EMC-optimised motor cable, low capacitance, double screened, approved
Allows EN 61800-3-compliant, EMC-compliant installation of power drive systems
For very large power drive systems
For more technical details, refer to data sheet DB0036425DE

CE RoHS

Info
EMC-optimised
3+3. Symmetry reduces common-mode interference effects
Double-shielded

Application range
Connecting cable between frequency converter and motor
Paper industry
Chemical industry
Heavy industry

Design
Fine-wire strand made of bare copper wires
Core insulation: PE
Cores twisted concentrically (in protective conductors divided into three, this is between the gussets)
Aluminium foil wrapped over the cores
Screening: wrapped with braided tinned-copper wires
4-core design: transparent PVC outer sheath
3+3 core version: black PVC outer sheath, for outdoor use and direct burial

Product features
Low capacitance design allows a longer cable connection between the frequency converter and the motor
In dry, damp or wet interiors
The 2YSLCYK black version can also be used outdoors under direct exposure to UV rays. Direct burial in the ground is also possible.
Flame-retardant according to IEC 60332.1.2

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (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.

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 outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U_0/U: 0.6/1kV
Test voltage:	4000 V
Protective conductor:	This is distributed evenly in the gussets in protective conductors that are divided into three
Temperature range:	Flexing: -5°C to +70°C Fixed installation: -40°C to +70°C

Part number	Number of cores and mm² per conductor	Outer diameter (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