HALLEY CABLES

2YSLCY-J

Control cables

PE insulated, screened 0.6/1 kV motor connection cable

Construction:

Conductor	: flexible copper wires, plain; IEC 60228 Class 5, DIN EN 60228 Class 5.
Insulation	: PE compound.
Core identification	: four cores: black, brown, blue, green-yellow coloured cores.
Lay-up	: cores laid up in layers of optimum pitch.
Separator	: polyester tape.
1.Screen	: aluminium polyester tape.
2.Screen	: braid of tinned copper wires, approximately % 80 coverage.
Outer Sheath	: PVC compound.
Sheath Colour	: RAL 7001,Grey (to be agreed upon the shade of grey).

Technical data and tests:

Standard	: VDE 0250.
Insulation resistance	: min. 200 MΩ/km.
Mutual capacitance	: core / core : 70 ~ 250 nF/km; core / screen:110 ~ 410 nF/km.
Rated voltage Uo/U	: 0.6/1 kV.
Test voltage (50 Hz)	: 4000 V.
Temperature range	: fixed : - 40° C ~ + 70° C; mobile: - 5° C ~ + 70° C.
Min. bending radius	: fixed : 7.5 x D; mobile: 15 x D.
Flame retardance test	: IEC 60332-1 & EN 50265-2-1.
EMC	: electromagnetic compatibility.

* Core identification for coloured cores is according to HD 308 S2.

Applications:

These double screened low capacitance motor supply cables are for frequency converters, assure electromagnetic compability in plants, buildings, anywhere the fields of electromagnetic interference might cause adverse effects on the surroundings. Due to optimal screening, an interference-free operation of frequency converters is achieved. The screen protects against external interference pulses and ensures an interference-free transmission; transfer impedance is max. 250 Ω/km at 30 MHz.

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DIMENSIONS

No. of Cores x Cross Section mm²	Approx. Outer Diameter mm	Copper Weight kg/km	Approx. Cable Weight kg/km
3x1,5 + 3x0,25	10,2	88	140
3x2,5 + 3x0,50	11,6	130	220
4 G 1,5	10,6	87	230
4 G 2,5	12,4	133	300
3x4 + 3x0,75	13,5	224	323
3x6 + 3x1	15,6	276	420
4 G 4	14,0	213	485
3x10 + 3x1,5	19,8	511	615
4 G 6	16,4	298	630
3x16 + 3x2,5	22,5	751	819
4 G 10	18,8	460	860
4 G 16	21,5	707	1290
3x25 + 3x4	28,4	1204	1325
3x35 + 3x6	29,4	1535	1718
4 G 25	26,5	1100	1890
3x50 + 3x10	35,3	2156	2399
4 G 35	29,5	1542	2610
4 G 50	34,5	2206	2950
3x70 + 3x10	40,6	2980	3056
4 G 70	39,2	3002	3950
3x95 + 3x16	44,3	3953	4162
3x120 + 3x16	50,0	4836	5074
4 G 95	45,6	4004	5300
3x150 + 3x25	56,2	5412	6128
4 G 120	51,0	5108	6600
4 G 150	57,5	6225	7043
3x185 + 3x35	58,4	6832	7500
4 G 185	60,5	7568	8384

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IEC CE VDE RoHS PG TSE