

Flexible rubber cable LSOH. Heavy duty

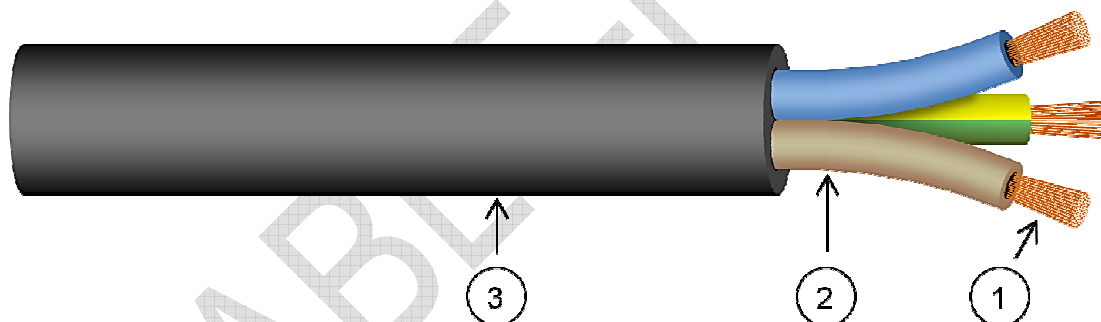
DESCRIPTION

Electric cables manufactured with rubber insulation and outer sheath.

Construction is according to EN-50525-3-21.

CONSTRUCTION

1 - Conductor:	Flexible bare copper, class 5	a/EN 60228
2 - Insulation:	Rubber, type EI8	a/EN 50363-1
	· Identification (colours)	a/HD 308 S2
	· " 1x: natural (uncoloured)	
	· " 2x: blue and brown	
	· " 3G: blue, brown and green/yellow	
	· " 3x: brow, black and grey	
	· " 4G: brown, black, grey and green/yellow	
	· " 4x: blue, brown, black and grey	
	· " 5G: blue, brown, black, grey and green/yellow	
	· " >5: black numbered with or without green/yellow	
	· Assembly of cores: concentric stranded	
3 – Outer sheath	Rubber, type EM8	a/EN 50363-2-1
	· Colour: black or green	



TECHNICAL SPECIFICATIONS

Rated voltage:	450 / 750 V	
Test voltage:	2.500 V	
Operating temperature:	-35 to +90 °C	
Maximum short-circuit temperature:	250 °C (max. 5 s)	a/IEC 60724
Bending radius:	3 ∅ (fixed installation)	

FIRE BEHAVIOUR SPECIFICATIONS

TEST	STANDARD	VALUE
Flame retardant	IEC 60332-1	Complies
Flame retardant cat "C"	IEC 60332-3-24	Complies
Low smoke emission	IEC 61034-2	Complies, Transmittance > 60%
Halogen free (HCl)	EN 60267, EN 60684-2, IEC 60754-1	Complies
Corrosiveness of combustion gases	EN 60267, EN 60684-2, IEC 60754-2, NFC 20453	pH ≥ 4,3 / Conductivity ≤ 10 μS/mm

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DATA AND DIMENSIONS

Dimensions and weights are approximates, subject to small variations due to process. Other sizes are possible on request.

Cross Section mm ²	Resistance Ω/km at 20°C	Isolated layer	Insulation thickness, mm	Outer sheath Nom thickness, mm	Outer Ø mm	Weight Kg/km
1×1.5	13.3	/	0.8	1.4	5.9±0.5	52
1×2.5	7.98	/	0.9	1.4	6.5±0.5	67
1×4	4.95	/	1.0	1.5	7.4±0.5	93
1×6	3.30	/	1.0	1.6	8.2±0.5	119
1×10	1.91	/	1.2	1.8	10.2±0.8	190
1×16	1.21	PET Tape	1.2	1.9	11.4±0.8	258
1×25	0.780	PET Tape	1.4	2.0	13.4±0.8	373
1×35	0.554	PET Tape	1.4	2.2	15.3±0.8	492
1×50	0.386	PET Tape	1.6	2.4	17.3±0.8	666
1×70	0.272	PET Tape	1.6	2.6	19.0±0.8	875
1×95	0.206	PET Tape	1.8	2.8	22.7±1.0	1171
1×120	0.161	PET Tape	1.8	3.0	24.0±1.0	1417
1×150	0.129	PET Tape	2.0	3.2	27.1±1.0	1760
1×185	0.106	PET Tape	2.2	3.4	29.0±1.0	2112
1×240	0.0801	PET Tape	2.4	3.5	32.6±1.5	2700

Cross Section mm ²	Resistance Ω/km at 20°C	Isolated layer	Insulation thickness, mm	Tape/filling	Outer sheath Nom thickness, mm	Outer Ø mm	Weight Kg/km
2×1	19.5	/	0.8	/	1.3	8.4±0.5	104
2×1.5	13.3		0.8		1.5	9.4±0.5	129
2×2.5	7.98		0.9		1.7	11.1±0.8	182
2×4	4.95		1.0		1.8	12.7±0.8	248
2×6	3.30		1.0		2.0	14.3±0.8	322
2×10	1.91		1.2		3.1	19.5±0.8	520
2×16	1.21		1.2		3.3	21.9±1.0	688
2×25	0.780		1.4		3.6	26.1±1.0	983
2×35	0.554		1.4		3.9	29.7±1.0	1273
2×50	0.386		1.6		4.3	33.7±1.5	1701
2×70	0.272	1.6	4.6	36.9±1.5	2179		
2×95	0.206	1.8	5.0	44.3±2.0	2905		
3G1	19.5	/	0.8	/	1.4	9.0±0.5	123
3G1.5	13.3		0.8		1.6	10.1±0.8	156
3G2.5	7.98		0.9		1.8	11.9±0.8	219
3G4	4.95		1.0		1.9	13.6±0.8	300
3G6	3.30		1.0		2.1	15.4±0.8	393

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Cross Section mm ²	Resistance Ω/km at 20°C	Isolated layer	Insulation thickness, mm	Tape/filling	Outer sheath Nom thickness, mm	Outer Ø mm	Weight Kg/km		
3G10	1.91	/	1.2	hemp rope/nonwovens	3.3	20.9±1.0	681		
3G16	1.21	PET Tape	1.2		3.5	23.5±1.0	912		
3G25	0.780		1.4		3.8	27.9±1.0	1312		
3G35	0.554		1.4		4.1	31.8±1.5	1707		
3G50	0.386		1.6		4.5	36.0±1.5	2295		
3G70	0.272		1.6		4.8	39.4±1.5	2970		
3G95	0.206		1.8		5.3	47.5±2.0	3981		
3G120	0.161		1.8		5.6	50.1±2.0	4800		
3G150	0.129		2.0		6.0	56.7±2.0	5940		
4G1	19.5		/		0.8	/	1.5	10.1±0.8	152
4G1.5	13.3			0.8	1.7		11.1±0.8	190	
4G2.5	7.98	0.9		1.9	13.1±0.8		266		
4G4	4.95	1.0		2.0	15.2±0.8		369		
4G6	3.30	1.0		2.3	17.1±0.8		490		
4G10	1.91	1.2		3.4	22.8±1.0		852		
4G16	1.21	PET Tape		1.2	hemp rope/nonwovens		3.6	25.6±1.0	1161
4G25	0.780			1.4			4.1	31.0±1.5	1703
4G35	0.554			1.4			4.4	35.2±1.5	2211
4G50	0.386			1.6			4.8	39.9±1.5	2982
4G70	0.272		1.6	5.2		43.8±2.0	3881		
4G95	0.206		1.8	5.9		53.2±2.0	5249		
4G120	0.161		1.8	6.0		55.6±2.0	6250		
4G150	0.129		2.0	6.5		63.1±2.0	7788		
4G185	0.106		2.2	6.8		67.3±2.0	9286		
5G1	19.5		/	0.8		cotton yarn/none	1.6	11.0±0.8	184
5G1.5	13.3	0.8		1.8	12.2±0.8		229		
5G2.5	7.98	0.9		2.0	14.4±0.8		322		
5G4	4.95	1.0		2.2	16.8±0.8		456		
5G6	3.30	1.0		2.5	19.0±0.8		604		
5G10	1.91	PET Tape		1.2	hemp rope/nonwovens	3.6	25.1±1.0	1051	
5G16	1.21			1.2		3.9	28.4±1.0	1437	
5G25	0.780			1.4		4.4	34.3±1.5	2103	
5G35	0.554			1.4		4.7	38.9±1.5	2741	
5G50	0.386			1.6		5.1	44.1±2.0	3696	
5G70	0.272		1.6	5.5		48.4±2.0	4791		
5G95	0.206		1.8	6.1		58.5±2.0	6456		
5G120	0.161		1.8	6.6		61.9±2.0	7834		
5G150	0.129		2.0	7.1		70.2±2.0	9719		