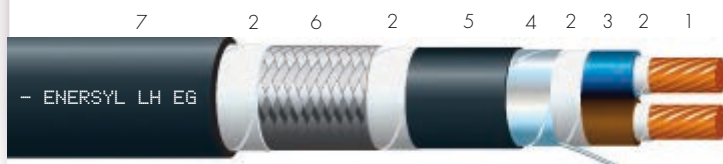


ENERSYL® LH CONTROL

Control cables



Reference

- (example) **ENERSYL® LH EG BG CONTROL**
19x1,5 mm²
EG, BE, BR: type of electrical screen
BG, FA: type of armour
CONTROL: control cable
19: number of conductors
X, G: type of assembly: without (X)
or with (G) an earth wire
1.5 mm²: cross-section in mm²

Approvals - standards

- IEC 60228 / NF C 32-090.
- IEC 60332-1.

Markings

- OMERIN – ENERSYL < LH xx xx CONTROL >
< cross-section > – 450/750V – < batch > – < year >

Standard products

- Sheath: black.
- Colour identification of conductors:
 - > up to 5 conductors: as per HD 308 S2.
 - > more than 5 conductors: black numbered.

- 1 • Stranded bare copper core, class 2 as per IEC 60228.
- 2 • Optional separating tape.
- 3 • Insulation: cross-linked polyethylene as per NF C 32-090 + optional filler(s).
- 4 • (optional) Electrical screen: aluminium/PET tape + continuity wire (EG) / tin-plated copper braid (BE) / bare copper braid (BR).
- 5 • (optional) Internal sheath: PVC, type ST2 as per IEC 60502-1.
- 6 • (optional) Armour: galvanized steel braid (BG) / double steel tape (FA).
- 7 • Outer sheath: PVC, type ST2 as per IEC 60502-1.

Technical characteristics Thermal

- Continuous operating temperature: -30 °C to +80 °C.
- Maximum core temperature: +90 °C.

Electrical

- Rated voltage: 450/750 V.
- Test voltage: 2500 V.

Smoke - fire

- Flame retardant – cable alone:
IEC 60332-1-2 / NF EN 60332-1-2 / NF C 32-070 test C2.

Resistance of outer sheath to chemical attacks as per OMERIN test report NT140825-01:

- Good resistance to acid.
- Good resistance to base.
- Resistance to water: type AD7 as per IEC 60529 without immersion of ends.

Options

- FLEX: flexible tin-plated copper core, class 5 as per IEC 60228.
- Other colours: contact us.
- ATEX as per EN 60079-14.
Particularly suited for static facilities in potentially explosive environments except for "i" intrinsic safety protection mode, requiring specific identification of cables.
Colour of the sheath: blue as per EN 60079-14 part 12.2.2.6.
 - > ENERSYL® LH EX CONTROL: without electrical screen.
 - > ENERSYL® LH BE EX CONTROL: with electrical screen.

For this product, please contact:



SEVI KABEL

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				NON-SHIELDED CABLES			ARMoured CABLES			Max. linear resistance at 20 °C (Ω/km)
Nominal cross-section (mm²)	Nominal stranding	Nominal thickness of insulation (mm)	Nominal diameter of conductors (mm)	Nominal thickness of the sheath (mm)	Nominal outside diameter* (mm)	Approximate linear weight (kg/km)	Nominal thickness of the sheath (mm)	Nominal outside diameter* (mm)	Approximate linear weight (kg/km)	
2 x 0.34	7 / 0.25	0.6	1.9	0.6	5.2	32	1.0	8.3	99	57.5
3 x 0.34	7 / 0.25	0.6	1.9	0.6	5.5	37	1.0	8.6	107	57.5
4 x 0.34	7 / 0.25	0.6	1.9	0.6	6.0	44	1.0	9.1	120	57.5
5 x 0.34	7 / 0.25	0.6	1.9	0.6	6.5	42	1.0	9.6	124	57.5
7 x 0.34	7 / 0.25	0.6	1.9	0.6	7.1	54	1.0	10.3	144	57.5
12 x 0.34	7 / 0.25	0.6	1.9	0.8	9.7	94	1.0	12.9	214	57.5
19 x 0.34	7 / 0.25	0.6	1.9	1.0	11.7	147	1.1	15.1	296	57.5
24 x 0.34	7 / 0.25	0.6	1.9	1.1	13.8	187	1.2	17.4	368	57.5
27 x 0.34	7 / 0.25	0.6	1.9	1.1	14.1	204	1.2	17.8	393	57.5
37 x 0.34	7 / 0.25	0.6	1.9	1.2	15.9	272	1.3	20.0	512	57.5
2 x 0.5	7 / 0.30	0.6	2.1	0.6	5.6	38	1.0	8.7	110	36.0
3 x 0.5	7 / 0.30	0.6	2.1	0.6	5.9	45	1.0	9.0	120	36.0
4 x 0.5	7 / 0.30	0.6	2.1	0.6	6.5	54	1.0	9.6	136	36.0
5 x 0.5	7 / 0.30	0.6	2.1	0.6	7.1	52	1.0	10.3	143	36.0
7 x 0.5	7 / 0.30	0.6	2.1	0.8	8.1	75	1.0	11.3	177	36.0
12 x 0.5	7 / 0.30	0.6	2.1	0.8	10.5	119	1.1	13.9	254	36.0
19 x 0.5	7 / 0.30	0.6	2.1	1.0	12.7	186	1.2	16.3	354	36.0
24 x 0.5	7 / 0.30	0.6	2.1	1.1	15.0	237	1.2	18.9	456	36.0
27 x 0.5	7 / 0.30	0.6	2.1	1.2	15.5	266	1.2	19.4	493	36.0
37 x 0.5	7 / 0.30	0.6	2.1	1.2	17.3	347	1.3	21.4	607	36.0
2 x 0.75	7 / 0.37	0.6	2.2	0.6	5.8	44	1.0	8.9	118	24.5
3 x 0.75	7 / 0.37	0.6	2.2	0.6	6.2	53	1.0	9.3	131	24.5
4 x 0.75	7 / 0.37	0.6	2.2	0.6	6.7	65	1.0	9.8	149	24.5
5 x 0.75	7 / 0.37	0.6	2.2	0.8	7.7	71	1.0	10.9	168	24.5
7 x 0.75	7 / 0.37	0.6	2.2	0.8	8.4	92	1.0	11.6	197	24.5
12 x 0.75	7 / 0.37	0.6	2.2	1.0	11.4	157	1.1	14.8	302	24.5
19 x 0.75	7 / 0.37	0.6	2.2	1.1	13.4	236	1.2	17.0	412	24.5
24 x 0.75	7 / 0.37	0.6	2.2	1.2	15.8	300	1.3	19.9	539	24.5
27 x 0.75	7 / 0.37	0.6	2.2	1.2	16.1	330	1.3	20.2	573	24.5
37 x 0.75	7 / 0.37	0.6	2.2	1.2	18.0	433	1.3	22.1	703	24.5
2 x 1	7 / 0.43	0.6	2.4	0.6	6.2	53	1.0	9.3	131	18.1
3 x 1	7 / 0.43	0.6	2.4	0.6	6.6	64	1.0	9.7	146	18.1
4 x 1	7 / 0.43	0.6	2.4	0.8	7.6	85	1.0	10.8	181	18.1
5 x 1	7 / 0.43	0.6	2.4	0.8	8.3	85	1.0	11.5	189	18.1
7 x 1	7 / 0.43	0.6	2.4	0.8	9.0	112	1.0	12.2	224	18.1
12 x 1	7 / 0.43	0.6	2.4	1.0	12.2	191	1.2	15.8	353	18.1
19 x 1	7 / 0.43	0.6	2.4	1.1	14.4	290	1.2	18.1	482	18.1
24 x 1	7 / 0.43	0.6	2.4	1.2	17.0	368	1.3	21.1	624	18.1
27 x 1	7 / 0.43	0.6	2.4	1.2	17.4	406	1.3	21.4	667	18.1
37 x 1	7 / 0.43	0.6	2.4	1.3	19.6	545	1.3	23.7	837	18.1
2 x 1.5	7 / 0.52	0.6	2.85	0.6	7.1	72	1.0	10.3	162	12.1
3 x 1.5	7 / 0.52	0.6	2.85	0.8	8.0	94	1.0	11.2	195	12.1
4 x 1.5	7 / 0.52	0.6	2.85	0.8	8.7	116	1.0	11.9	224	12.1
5 x 1.5	7 / 0.52	0.6	2.85	0.8	9.5	118	1.0	12.7	236	12.1
7 x 1.5	7 / 0.52	0.6	2.85	0.8	10.4	156	1.1	13.8	290	12.1
12 x 1.5	7 / 0.52	0.6	2.85	1.1	14.3	274	1.2	18.0	464	12.1
19 x 1.5	7 / 0.52	0.6	2.85	1.2	16.9	416	1.3	20.9	670	12.1
24 x 1.5	7 / 0.52	0.6	2.85	1.3	19.9	528	1.3	24.0	824	12.1
27 x 1.5	7 / 0.52	0.6	2.85	1.3	20.3	583	1.3	24.4	886	12.1
37 x 1.5	7 / 0.52	0.6	2.85	1.3	22.8	774	1.4	27.0	1122	12.1
2 x 2.5	7 / 0.67	0.6	3.2	0.8	8.2	104	1.0	11.4	207	7.41
3 x 2.5	7 / 0.67	0.6	3.2	0.8	8.7	129	1.0	11.9	238	7.41
4 x 2.5	7 / 0.67	0.6	3.2	0.8	9.5	161	1.0	12.7	279	7.41
5 x 2.5	7 / 0.67	0.6	3.2	0.8	10.4	168	1.1	13.8	303	7.41
7 x 2.5	7 / 0.67	0.6	3.2	1.0	11.8	236	1.1	15.2	386	7.41
12 x 2.5	7 / 0.67	0.6	3.2	1.2	15.9	401	1.3	20.0	641	7.41
19 x 2.5	7 / 0.67	0.6	3.2	1.2	18.6	604	1.3	22.7	882	7.41
24 x 2.5	7 / 0.67	0.6	3.2	1.3	22.0	766	1.4	26.3	1102	7.41
27 x 2.5	7 / 0.67	0.6	3.2	1.3	22.5	850	1.4	26.7	1194	7.41
37 x 2.5	7 / 0.67	0.6	3.2	1.4	25.4	1147	1.4	29.7	1533	7.41

* The rated outer diameter of cables may vary by +/- 1.5% depending on the options selected.