

HELUPOWER® 1000 HY-CARBO LEAD GSTA

hydrocarbon resistant, lead sheathed, double steel tape armoured power & control cable 0.6/1 kV in acc. to IEC 60502



Technical data

- LSLH Power & Control cable acc. to IEC 60502
- **Temperature range**
fixed installation -20°C to +70°C
(90°C at the conductor)
short circuit temperature max. 250°C
- **Nominal voltage**
U₀/U 0,6/1 kV
- **Test voltage**
3500 V AC for 5 min.
8400 V DC for 5 min.
- **Minimum bending radius**
fixed 20 x cable Ø
- **Insulation resistance**
> 100 MΩxkm

Cable structure

- Bare copper conductor, multiple wired acc. to DIN VDE 0295 cl. 2 / IEC 60228 cl. 2
- Core insulation: XLPE acc. to IEC 60502-1, BS 50290-2-29 and EN 50363-0
- Core identification acc. to HD 308 S2
- Inner covering: PVC
- Tightness sheath of lead cover
- Inner sheath: PVC
- Armour: double galvanized steel tape armour acc. to IEC 60502-1
- Outer sheath: hydrocarbon resistant PVC
- Outer sheath colour: black

Properties

- Hydrocarbon resistant
- Oil resistant
- Rodent and termite resistant
- Flame retardant
- Low Smoke Low Halogen (LSLH)
- Suitable for direct burial
- UV resistant

Tests

- Flame retardant acc. to DIN VDE 482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- Flame test on bunched wires acc. to DIN VDE 0482-332-3-24 / DIN EN 60332-3-24 / IEC 60332-3-24 (Cat. C, 20 min.)
- Low amount of halogen acid gas acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- UV and sunlight resistant acc. to UL 1581 sect. 1200

Note

- Galvanized steel wire armouring (SWA) upon request
- Other core identification upon request

Application

The HELUPOWER® 1000 HY-CARBO LEAD GSTA is an armoured and lead sheathed power and control cable with a reduced flame propagation and reduced emission of toxic/corrosive gases and opaque fumes in case of fire. The HELUPOWER® 1000 HY-CARBO LEAD GSTA is suitable for use in civil/industrial environment, in fixed lay also directly buried in ground without protection. The armour provides a good mechanical protection also in heavy-duty applications and hazardous environments and offers anti-termite and anti-rodent protection.

CE = Product complies to the Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Diameter under lead sheath app. mm	Lead sheath thickness in mm	Outer Ø app. mm	Lead weight app. kg / km	Copper weight kg / km	Weight app. kg / km
17002500	2 x 1,5	8,0	1,2	17,6	432,0	33,0	779
17002501	3 x 1,5	8,5	1,2	18,0	456,0	51,0	826
17002502	4 x 1,5	9,3	1,2	19,0	494,0	62,0	904
17002503	5 x 1,5	10,1	1,2	19,8	531,0	78,0	977
17002504	7 x 1,5	11,0	1,2	20,8	574,0	108,0	1078
17002505	12 x 1,5	14,5	1,2	24,0	738,0	186,0	1419
17002506	19 x 1,5	17,0	1,3	27,2	933,0	292,0	1810
17002507	27 x 1,5	20,5	1,4	30,9	1201,0	416,0	2329
17002508	37 x 1,5	23,0	1,4	33,6	1339,0	565,0	2716

Continuation ►

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Part no.	No. cores x cross-sec. mm ²	Diameter under lead sheath app. mm	Lead sheath thickness in mm	Outer Ø app. mm	Lead weight app. kg / km	Copper weight kg / km	Weight app. kg / km
17002491	2 x 2,5	9,0	1,2	18,1	480,0	52,0	875
17002492	3 x 2,5	9,6	1,2	19,2	508,0	77,0	940
17002493	4 x 2,5	10,5	1,2	20,0	550,0	102,0	1028
17002494	5 x 2,5	11,5	1,2	21,2	597,0	127,0	1130
17002495	7 x 2,5	12,5	1,2	22,1	645,0	179,0	1253
17002496	12 x 2,5	16,6	1,2	26,1	837,0	305,0	1700
17002497	19 x 2,5	19,5	1,3	29,5	1059,0	482,0	2192
17002498	27 x 2,5	23,6	1,5	34,6	1475,0	685,0	2979
17002499	37 x 2,5	26,5	1,5	38,8	1646,0	937,0	3895
17002510	2 x 4	10,0	1,2	19,6	527,0	84,0	981
17002511	3 x 4	10,7	1,2	20,3	560,0	125,0	1067
17002512	4 x 4	11,7	1,2	21,3	606,0	165,0	1178
17002513	5 x 4	12,8	1,2	22,4	659,0	208,0	1296
17002489	2 x 6	11,2	1,2	20,8	583,0	125,0	1116
17002490	3 x 6	12,0	1,2	21,6	620,0	187,0	1209
17002509	4 x 6	13,1	1,2	22,7	672,0	248,0	1362
17002575	5 x 6	14,5	1,2	24,0	738,0	311,0	1523
17002514	2 x 10	13,0	1,2	22,6	668,0	208,0	1334
17002515	3 x 10	13,9	1,2	23,5	711,0	311,0	1486
17002516	4 x 10	15,3	1,2	25,0	776,0	411,0	1684
17002517	5 x 10	16,1	1,3	26,9	927,0	513,0	1981
17002518	2 x 16	15,4	1,2	25,0	781,0	333,0	1648
17002519	3 x 16	16,5	1,2	26,0	833,0	496,0	1865
17002520	4 x 16	18,2	1,3	28,2	993,0	659,0	2232
17002521	5 x 16	20,1	1,4	30,5	1179,0	825,0	2631
17002522	2 x 25	18,6	1,3	28,6	1014,0	518,0	2193
17002523	3 x 25	20,0	1,3	30,2	1085,0	778,0	2534
17002524	4 x 25	22,1	1,4	32,6	1289,0	1033,0	3029
17002525	5 x 25	24,5	1,5	36,5	1528,0	1295,0	3948
17002526	2 x 35	20,8	1,4	31,2	1218,0	719,0	2681
17002527	3 x 35	22,3	1,4	32,7	1300,0	1078,0	3103
17002528	4 x 35	24,8	1,5	37,0	1546,0	1440,0	4139
17002529	5 x 35	28,0	1,6	41,1	1856,0	1795,0	4561

Dimensions and specifications may be changed without prior notice.