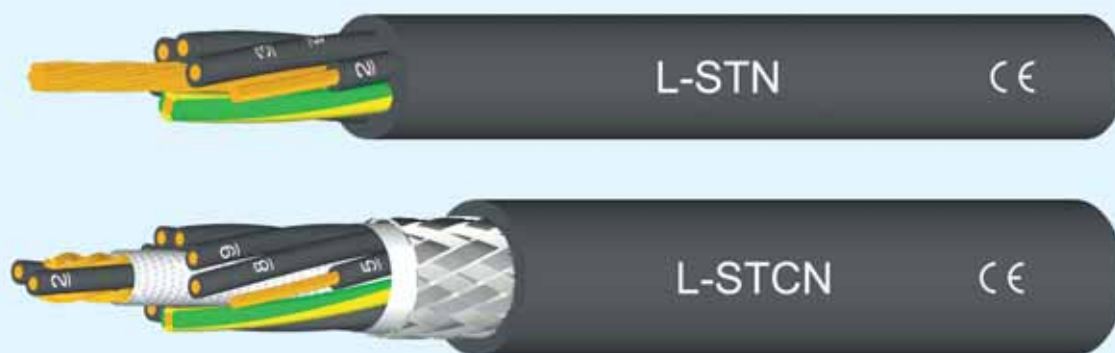


L-STN, L-STCN

Flexible neoprene cables with supporting elements



Cable structure

- Fine stranded bare copper conductor according to DIN VDE 0295, IEC 60228 cl. 6
- Core insulation of EPR
- Supporting element – textile rope (for range up to 50 m)
- Cores stranded in layers with optimal lay length
- In multi-layer versions layers separated with tape with supporting function
- Cores color coding according to DIN VDE 0293 or from 6 cores and more black cores with repeated white numbering
- Green-yellow earth core
- For L-STCN version modified screening of Cu tinned wires
- Neoprene outer sheath, color black, oil resistant

Technical data

- Special neoprene cable according to DIN VDE 0250 with strain supporting element
- **Temperature range** flexing from -30 °C to +70 °C
fixed from -40 °C to +70 °C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage a.c.** 3000 V
- **Free suspension height** up to 50 m
- **Minimum bending radius** approx. 10× cable diameter

Application

Robust and weather resistant cable for applications that are permanently exposed to weather influences (such as construction machines, lifting and transport systems). It can also be used as control and trailing cable for suspension panels in dry, moist and wet environments. The cable can also be used as a power cable. Core insulation is resistant to ozone and outer sheath made of chloroprene is combustion and abrasion resistant. The bearing capacity of the supporting element has to be considered depending on the number of cores, core cross-section and hanging. This neoprene control cable is not suitable for winding and unwinding from motor-driven drums.

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Tensile strenght of supporting element [N]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0725002	3 × 1	8,5	250	29	111
0725003	4 × 1	9,7	300	38	141
0725004	5 × 1	11,5	300	48	170
0725006	7 × 1	13,8	2500	67	204
0725007	9 × 1	15,8	2500	86	274
0725008	12 × 1	17,5	2500	115	389
0725010	18 × 1	21,5	1550	173	471
0725012	20 × 1	22,4	2500	192	590
0725013	24 × 1	23,6	2500	230	650
0725014	36 × 1	29,0	2500	346	910
0725016	48 × 1	31,4	2500	461	1244
0725018	54 × 1	32,9	2500	518	1399
0725021	3 × 1,5	9,3	250	43	113
0725022	4 × 1,5	10,5	570	58	150
0725023	5 × 1,5	12,5	870	72	180
0725025	7 × 1,5	14,8	2500	101	309
0725027	9 × 1,5	17,7	2500	130	360
0725030	12 × 1,5	21,6	2500	173	516
0725033	18 × 1,5	23,6	2500	259	620
0725035	24 × 1,5	27,0	2500	346	817
0725036	37 × 1,5	31,0	2500	533	1220
0725037	42 × 1,5	33,0	2500	605	1380
0725038	48 × 1,5	34,9	2500	691	1510
0725039	50 × 1,5	36,7	2500	720	1642
0725042	3 × 2,5	10,5	250	72	172
0725043	4 × 2,5	11,6	570	96	210
0725044	5 × 2,5	12,9	870	120	255
0725046	7 × 2,5	16,2	2500	168	383

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Tensile strenght of supporting element [N]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0725047	9 × 2,5	21,5	2500	216	541
0725049	12 × 2,5	25,4	2500	288	690
0725051	18 × 2,5	26,3	2500	432	891
0725053	24 × 2,5	30,5	2500	576	1221
0725055	37 × 2,5	40,8	2500	888	1784
0725059	3 × 4	13,6	600	115	372
0725060	4 × 4	15,0	600	154	407
0725061	5 × 4	17,1	600	192	432
0725062	7 × 4	21,5	600	269	495
0725063	3 × 6	13,9	1000	173	380
0725064	4 × 6	15,2	1000	230	445
0725065	5 × 6	18,2	1000	288	569
0725066	7 × 6	21,1	1000	403	702
0725068	4 × 10	20,6	1200	384	724
0725069	5 × 10	22,6	1500	480	923
0725070	7 × 10	27,4	1500	672	1288
0725072	4 × 16	25,2	1920	614	1028
0725073	5 × 16	26,5	2400	768	1260
L-STCN					
0725074	6 × 0,75	12,0	1500	81	205
0725075	4 × 1	11,5	250	74	185
0725076	7 × 1	15,0	2500	129	300
0725077	12 × 1	20,5	2500	202	545
0725078	18 × 1	21,0	1500	288	630
0725079	24 × 1	25,0	2500	395	900