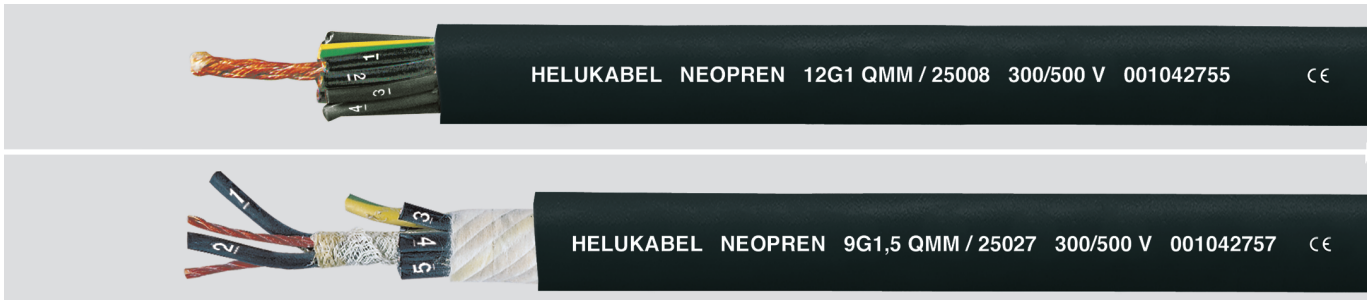
NEOPREN

flexible, colour or number coded with support organ



Technical data

- Special rubber cable adapted to DIN VDE 0250
- **Temperature range**
  flexing -25°C to +60°C
  fixed installation -40°C to +80°C
- **Nominal voltage**
  U_0/U 300/500 V
- **Test voltage**
  3000 V
- **Minimum bending radius**
  for continuous bending without forced guiding operation 12,5x cable Ø
  for flexing with forced guiding operation 20x cable Ø

Cable structure

- Bare copper conductor, to DIN VDE 0295 cl.6 col.4, extra fine wire, BS 6360 cl.6, IEC 60228 cl.6
- Core insulation of rubber
- Core identification to DIN VDE 0293-308
  - up to 5 cores coloured
  - from 6 cores, black with continuous white numbering
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay length
- Support organ (hemp or sisal-string etc.) and/or taping with load carrying thread as construction permits
- Outer sheath of special rubber
- Sheath colour: black

Properties

- Extensively oil, flat and alkali resistant
- Flame retardant

Note

- G = with GN-YE conductor
  x = without GN-YE conductor
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Not suitable for a winding up and an unwinding on spring or motor cable reels.
- Break resistance must be taken into consideration.
- By the assembly the cables must be installed without torsion.
- The mobility of the stranded core is not be affected by using of clamps.
- The occuring pulling forces are to be carried by the support organ.

Application

As robust and weather resistant cable for machines, equipment and appliances, which are constantly exposed to the outdoor weather conditions (e. g. building machinery, conveyor and hoist systems, dry docks etc.). They are ideal for use as control cable in trailing cables. They are also suitable in dry, damp and wet rooms and in open air for wall- and push-button panels and as power cable.
CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Tensile strength of susp. strand in N	Cop. weight kg / km	Weight app. kg / km	AWG-No.
25001	2 x 1	7,2	-	19,0	90,0	18
25002	3 G 1	8,1	-	29,0	111,0	18
25003	4 G 1	9,2	-	38,0	141,0	18
25004	5 G 1	10,3	-	48,0	170,0	18
25005	6 G 1	11,1	-	58,0	187,0	18
25006	7 G 1	12,0	850	67,0	198,0	18
25007	9 G 1	14,4	300	86,0	274,0	18
25008	12 G 1	17,4	3750	115,0	369,0	18
25009	16 G 1	17,7	200	154,0	412,0	18
25010	18 G 1	17,7	425	173,0	435,0	18
25011	19 G 1	18,9	-	182,0	444,0	18
25012	20 G 1	19,5	-	192,0	472,0	18
25013	24 G 1	21,2	1850	230,0	552,0	18
25074	30 G 1	22,4	-	290,0	680,0	18
25014	36 G 1	23,8	550	346,0	784,0	18
25015	37 G 1	24,6	-	355,0	801,0	18
25016	48 G 1	28,7	1250	461,0	1098,0	18
25017	50 G 1	29,5	-	480,0	1296,0	18
25018	54 G 1	32,9	-	518,0	1399,0	18
25019	61 G 1	37,2	-	586,0	1495,0	18
25020	2 x 1,5	8,0	300	29,0	104,0	16
25021	3 G 1,5	8,7	200	43,0	124,0	16
25022	4 G 1,5	10,5	200	58,0	150,0	16
25023	5 G 1,5	11,0	400	72,0	180,0	16
25024	6 G 1,5	12,1	-	86,0	224,0	16
25025	7 G 1,5	13,4	1000	101,0	242,0	16
25026	8 G 1,5	14,2	1550	115,0	286,0	16
25027	9 G 1,5	14,7	1250	130,0	301,0	16
25028	10 G 1,5	16,1	-	144,0	360,0	16
25029	11 G 1,5	17,2	-	158,0	410,0	16
25030	12 G 1,5	19,3	4500	173,0	478,0	16
25031	13 G 1,5	19,4	-	187,0	515,0	16
25032	15 G 1,5	19,5	-	216,0	535,0	16
25033	18 G 1,5	19,7	555	259,0	570,0	16
25034	19 G 1,5	20,9	-	274,0	635,0	16
25035	24 G 1,5	22,2	2250	346,0	731,0	16
25036	37 G 1,5	26,3	-	533,0	988,0	16
25037	42 G 1,5	34,5	1700	605,0	1244,0	16

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Tensile strength of susp. strand in N	Cop. weight kg / km	Weight app. kg / km	AWG-No.
25038	48 G 1,5	34,9	-	691,0	1510,0	16
25039	50 G 1,5	36,7	-	720,0	1642,0	16
25040	61 G 1,5	41,8	-	878,0	1950,0	16
25041	2 x 2,5	9,2	-	48,0	142,0	14
25042	3 G 2,5	10,2	200	72,0	172,0	14
25043	4 G 2,5	12,0	200	96,0	210,0	14
25044	5 G 2,5	14,0	860	120,0	310,0	14
25045	6 G 2,5	14,5	-	144,0	318,0	14
25046	7 G 2,5	14,9	1550	168,0	357,0	14
25075	8 G 2,5	16,8	-	192,0	450,0	14
25047	9 G 2,5	18,9	675	216,0	541,0	14
25048	11 G 2,5	22,3	-	264,0	638,0	14
25049	12 G 2,5	23,2	3250	288,0	748,0	14
25050	16 G 2,5	23,3	-	383,0	788,0	14
25051	18 G 2,5	23,3	700	432,0	827,0	14
25052	19 G 2,5	25,8	-	456,0	946,0	14
25053	24 G 2,5	27,1	2650	576,0	1097,0	14
25054	36 G 2,5	32,0	2700	864,0	1463,0	14
25055	37 G 2,5	40,8	-	888,0	1784,0	14
25056	48 G 2,5	41,9	-	1152,0	2500,0	14
25057	50 G 2,5	43,3	-	1200,0	2630,0	14
25058	61 G 2,5	49,3	-	1464,0	8100,0	14
25059	3 G 4	13,6	-	115,0	304,0	12
25060	4 G 4	14,0	480	154,0	336,0	12
25061	5 G 4	16,8	600	192,0	403,0	12
25062	7 G 4	19,2	-	269,0	495,0	12
25063	3 G 6	13,9	-	173,0	380,0	10
25064	4 G 6	17,0	720	230,0	422,0	10
25065	5 G 6	19,2	900	288,0	538,0	10
25066	7 G 6	21,1	-	403,0	702,0	10
25067	3 G 10	18,1	-	288,0	530,0	8
25068	4 G 10	21,8	1200	384,0	716,0	8
25069	5 G 10	22,6	-	480,0	923,0	8
25070	7 G 10	27,4	-	672,0	1288,0	8
25071	3 G 16	21,3	-	461,0	865,0	6
25072	4 G 16	25,2	-	614,0	1028,0	6
25073	5 G 16	26,5	-	768,0	1260,0	6

Dimensions and specifications may be changed without prior notice. (RF01)