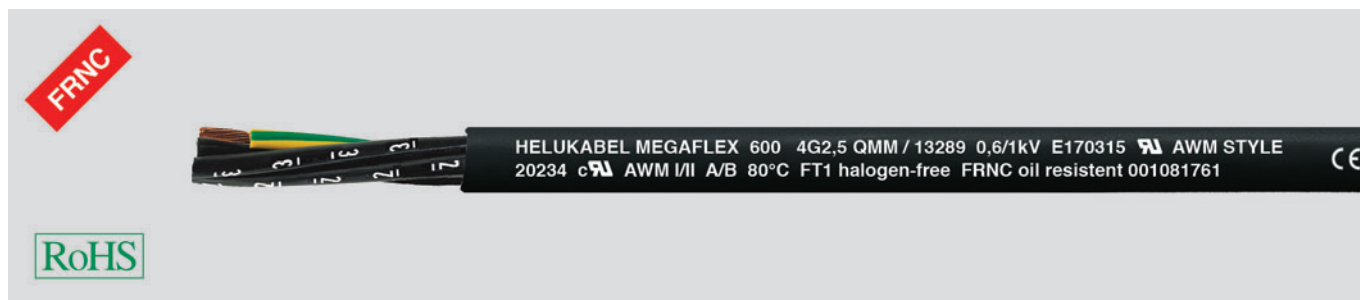


MEGAFLEX® 600

halogen-free, flame retardant, oil-resistant, UV-resistant,
flexible, meter marking



Technical data

- Halogen-free flexible control cable to UL-Style 20234, UL-Std. 758
- **Temperature range**
flexing -30 °C to +80 °C
fixed installation -40 °C to +80 °C
- **Nominal voltage** U₀/U 0,6/1 kV
- **Test voltage** 4000 V
- **Minimum bending radius**
flexing approx. 10x cable ø
fixed installation approx. 4x cable ø
- **Flexible**
Alternate bending test according to DIN VDE 0281-2

Cable structure

- Bare copper, fine wire conductors, to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of halogen-free special polymer
- Black cores with white continuous numbering to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layer with optimal lay-length
- Outer sheath, halogen-free special polymer
- Outer jacket colour black (RAL 9005)
- The materials used in manufacture are cadmium-free and contain no silicone and are free from substances harmful to the wetting properties of lacquers
- with meter marking, change-over in 2011

Properties

- Halogen-free
 - Highly flame-retardant
 - Resistant to oils and greases
 - Resistant to UV and weathering
 - Hydrolysis resistant
 - Flexible, abrasion- and wear-resistant
 - Ozone-resistant
 - Recycleable
- Tests**
- Flame test to VDE 0482-332-3/BS 4066 part 3/ DIN EN 60332-3/ IEC 60332-3-24 (previously DIN VDE 0472 part 804 test method C)
 - Self-extinguishing and flame retardant according to DIN VDE 0482-332-1-2, DIN EN/IEC 60332-1 (previously DIN VDE 0472 part 804 test method B)
 - Corrosiveness of combustion gases according to NF X 10-702
 - Halogen-free according to DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
 - Smoke density according to DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2/ IEC 61034-1+2, BS 7622 part 1+2 (previously DIN VDE 0472 part 816)
 - Oil-resistant to DIN EN 60811-2-1
 - Hydrolysis-resistant to DIN EN 61234-1
 - Ozone-resistant to DIN EN 60811-2-1 / DIN VDE 0281-2

Note

- G = with green-yellow earth core;
x = without green-yellow earth core.
- **screened analogue type:**
MEGAFLEX® 600-C, see page N 60

Application

For fixed installation or flexible application, with free movements without forcing which do not constantly recur and without tensile stress, for high mechanical strain. As a measuring and control cable primarily in machinery and plant construction, in building and air-conditioning systems, in warehousing and conveying systems, in ship-building and for regenerative types of energy such as in the construction of wind power stations.

Especially well-suited for use in public buildings, such as airports and train stations, where personal injuries and subsequent damage must be prevented in the event of a fire.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
13200	2 x 0,5	6,4	9,6	56,0	20
13202	3 x 0,5	6,8	14,4	68,0	20
13201	3 G 0,5	6,8	14,4	68,0	20
13203	4 G 0,5	7,6	19,0	100,0	20
13204	4 x 0,5	7,6	19,0	100,0	20
13205	5 G 0,5	8,2	24,0	117,0	20
13206	5 x 0,5	8,2	24,0	117,0	20
13207	7 G 0,5	9,8	33,6	138,0	20

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
13208	8 G 0,5	10,7	38,0	150,0	20
13209	10 G 0,5	11,6	48,0	176,0	20
13210	12 G 0,5	12,2	58,0	200,0	20
13211	16 G 0,5	13,7	76,0	250,0	20
13212	18 G 0,5	14,4	86,0	276,0	20
13213	20 G 0,5	15,3	96,0	293,0	20
13214	25 G 0,5	17,2	120,0	335,0	20
13215	30 G 0,5	18,0	144,0	348,0	20

Continuation ►

MEGAFLEX® 600

halogen-free, flame retardant, oil-resistant, UV-resistant,
flexible, meter marking



Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
13216	34 G 0,5	19,8	163,0	520,0	20
13217	37 G 0,5	15,0	178,0	561,0	20
13218	41 G 0,5	21,3	197,0	590,0	20
13219	42 G 0,5	21,2	202,0	595,0	20
13220	50 G 0,5	23,4	240,0	715,0	20
13221	61 G 0,5	26,0	293,0	840,0	20
13222	65 G 0,5	26,8	312,0	880,0	20
13223	2 x 0,75	6,8	14,4	66,0	19
13224	3 G 0,75	7,2	21,6	74,0	19
13225	3 x 0,75	7,2	21,6	74,0	19
13226	4 G 0,75	8,0	29,0	126,0	19
13227	4 x 0,75	8,0	29,0	126,0	19
13228	5 G 0,75	8,8	36,0	140,0	19
13229	5 x 0,75	8,8	36,0	140,0	19
13230	7 G 0,75	10,7	50,0	190,0	19
13231	7 x 0,75	10,7	50,0	190,0	19
13232	8 G 0,75	11,5	58,0	212,0	19
13233	10 G 0,75	12,7	72,0	238,0	19
13234	12 G 0,75	13,1	86,0	257,0	19
13235	16 G 0,75	14,6	115,0	304,0	19
13236	18 G 0,75	15,6	130,0	362,0	19
13237	20 G 0,75	16,6	144,0	394,0	19
13238	25 G 0,75	18,9	180,0	486,0	19
13239	30 G 0,75	15,4	216,0	450,0	19
13241	34 G 0,75	21,5	245,0	638,0	19
13242	37 G 0,75	21,5	260,0	696,0	19
13243	41 G 0,75	23,2	296,0	750,0	19
13244	42 G 0,75	23,2	302,0	770,0	19
13245	50 G 0,75	25,6	360,0	895,0	19
13246	61 G 0,75	28,2	439,0	1070,0	19
13247	65 G 0,75	29,0	468,0	1110,0	19
13248	2 x 1	7,4	19,2	80,0	18
13249	3 G 1	8,0	29,0	96,0	18
13250	3 x 1	8,0	29,0	96,0	18
13251	4 G 1	8,8	38,4	100,0	18
13252	4 x 1	8,8	38,4	100,0	18
13253	5 G 1	9,8	48,0	130,0	18
13254	7 G 1	11,7	67,0	170,0	18
13255	8 G 1	12,8	77,0	230,0	18
13256	10 G 1	14,3	96,0	270,0	18
13257	12 G 1	14,5	115,0	290,0	18
13258	16 G 1	16,5	154,0	360,0	18
13259	18 G 1	17,3	173,0	405,0	18
13260	20 G 1	18,4	192,0	450,0	18
13261	25 G 1	21,1	240,0	570,0	18
13262	34 G 1	24,0	326,0	750,0	18
13263	37 G 1	24,3	355,0	790,0	18
13264	41 G 1	25,9	394,0	890,0	18
13265	42 G 1	25,9	403,0	900,0	18
13266	50 G 1	28,5	480,0	1100,0	18
13267	61 G 1	31,4	586,0	1266,0	18
13268	65 G 1	32,5	628,0	1560,0	18
13269	2 x 1,5	8,4	29,0	95,0	16
13270	3 G 1,5	9,1	43,0	112,0	16
13271	3 x 1,5	9,1	43,0	112,0	16
13272	4 G 1,5	9,9	58,0	139,0	16
13273	5 G 1,5	11,0	72,0	170,0	16
13274	7 G 1,5	13,3	101,0	225,0	16
13275	8 G 1,5	14,5	115,0	250,0	16
13276	10 G 1,5	16,1	144,0	300,0	16
13277	12 G 1,5	16,6	173,0	370,0	16
13278	16 G 1,5	18,5	230,0	450,0	16
13279	18 G 1,5	19,7	259,0	520,0	16
13280	20 G 1,5	20,9	288,0	600,0	16

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
13281	25 G 1,5	23,9	360,0	730,0	16
13282	34 G 1,5	27,2	490,0	950,0	16
13283	37 G 1,5	29,4	533,0	1094,0	16
13284	50 G 1,5	32,5	720,0	1400,0	16
13285	61 G 1,5	35,7	878,0	1700,0	16
13286	65 G 1,5	36,8	936,0	1900,0	16
13287	2 x 2,5	9,4	48,0	160,0	14
13288	3 G 2,5	9,9	72,0	175,0	14
13289	4 G 2,5	11,1	96,0	203,0	14
13290	5 G 2,5	12,4	120,0	251,0	14
13291	7 G 2,5	15,0	168,0	330,0	14
13292	8 G 2,5	16,1	192,0	400,0	14
13293	10 G 2,5	17,0	240,0	461,0	14
13294	12 G 2,5	18,4	288,0	553,0	14
13295	16 G 2,5	19,4	384,0	742,0	14
13296	18 G 2,5	22,0	432,0	795,0	14
13297	20 G 2,5	32,2	480,0	924,0	14
13298	25 G 2,5	26,9	600,0	1110,0	14
13299	30 G 2,5	28,1	720,0	1370,0	14
13300	2 x 4	11,4	77,0	180,0	12
13301	3 G 4	12,3	115,0	230,0	12
13302	4 G 4	13,8	154,0	310,0	12
13303	5 G 4	15,3	192,0	410,0	12
13304	7 G 4	16,8	269,0	540,0	12
13305	8 G 4	20,0	307,0	710,0	12
13306	10 G 4	21,6	384,0	760,0	12
13307	12 G 4	22,9	461,0	860,0	12
13308	16 G 4	23,6	614,0	910,0	12
13309	18 G 4	24,2	691,0	980,0	12
13310	2 x 6	13,1	115,0	205,0	10
13311	3 G 6	14,1	173,0	370,0	10
13312	4 G 6	15,6	230,0	430,0	10
13313	5 G 6	17,3	288,0	650,0	10
13314	7 G 6	19,3	403,0	860,0	10
13315	2 x 10	15,4	192,0	330,0	8
13316	3 G 10	16,5	288,0	660,0	8
13317	4 G 10	18,1	384,0	790,0	8
13318	5 G 10	20,5	480,0	960,0	8
13319	7 G 10	22,5	672,0	1300,0	8
13320	2 x 16	18,3	307,0	580,0	6
13321	3 G 16	19,6	461,0	700,0	6
13322	4 G 16	21,7	641,0	1100,0	6
13323	5 G 16	24,2	768,0	1600,0	6
13324	7 G 16	25,7	1075,0	1890,0	6
13325	3 G 25	24,0	720,0	1450,0	4
13326	4 G 25	26,9	960,0	1600,0	4
13327	5 G 25	29,4	1200,0	2050,0	4
13328	3 G 35	26,2	1008,0	1900,0	2
13329	4 G 35	29,4	1344,0	2400,0	2
13330	5 G 35	32,8	1680,0	2900,0	2
13331	3 G 50	31,6	1440,0	2700,0	1
13332	4 G 50	35,5	1920,0	3400,0	1
13333	5 G 50	40,0	2400,0	4361,0	1
13334	3 G 70	36,7	2016,0	3300,0	2/0
13335	4 G 70	40,7	2688,0	4400,0	2/0
13336	5 G 70	45,7	3360,0	5807,0	2/0
13337	3 G 95	41,2	2736,0	5050,0	3/0
13338	4 G 95	46,2	3648,0	6010,0	3/0
13339	5 G 95	50,7	4560,0	7752,0	3/0
13340	3 G 120	45,9	3456,0	5620,0	4/0
13341	4 G 120	50,3	4608,0	7500,0	4/0
13342	3 G 150	52,7	4320,0	6390,0	300 kcmil
13343	4 G 150	58,8	5760,0	6840,0	300 kcmil

Dimensions and specifications may be changed without prior notice. (RA03)