

# MEGAFLEX® 500-C halogen-free, flame retardant, oil-resistant, UV-resistant, flexible, screened, EMC-preferred types, meter marking



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## 기술사항

- DIN VDE 0281 part 14 할로겐불포함 제어용 케이블
- 온도범위  
이송시 -30°C ~ +80°C  
고정 설치시 -40°C ~ +80°C
- 정격전압 U<sub>0</sub>/U 300/500 V
- 시험 전압 3000 V
- 최소 곡률 반경  
이송시 10 × cable ø  
고정 설치시 4 × cable ø
- 유연성  
Alternate bending test according to DN VDE 0281-2

## 케이블 구조

- 미세동선 집합 연선, DIN VDE 0295 cl.5 및 IEC 60228 cl.5 규격
- 할로겐 불포함 특수폴리머 코어 절연
- 흑색 코어 외피에 백색 연속 번호 DIN VDE 0293
- 바깥층(3코어 이상)에 황-녹색 접지선
- 코어 최적 피치로 적층 연선
- 분리 포일
- 주석도금 편조 실드. 실드율 85%
- 회색의 할로겐 불포함 폴리머 외피(RAL 7001)
- LSOH = Low Smoke Zero Halogen-free

## 특징

- 할로겐 불포함
- 오일 저항 VDE 0473 part 811-2-1
- 오존 저항 DIN EN 60811-2-1/DIN VDE 1281-2
- UV, 가수분해, 날씨등의 저항
- 화염검사 DIN VDE 0482 part 266-2-4/BS 4066 part 3/ EN 50266-2/ IEC 60332-3-24 및 DIN VDE 0472 part 804 시험방법 C
- 자체소화성 및 난연성  
DIV VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1(Conforms to DIN VDE 0472 Part 804 Test method B)
- 연소가스 부식성 검사  
NF X 10-702
- 연기농도시험, DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2/IEC -1+2, BS 7622 part 1+2(DIN VDE 0472 part 816)
- 할로겐 불포함 검사, DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 및 DIN VDE 0472 part 815
- 연기농도시험, DIN VDE 0482 part 1034-1+2, HD606, DIN EN

## 용도

- 고정 설치용 후레시블 케이블로서 기계류나 플랜트의 측정 도구 및 콘트롤용으로 적합. 빌딩과 냉각 시스템, 자동창고, 컨베이어 시스템 뿐만아니라 선박이나 WIND POWER 발전등에 적합함. 특히 공공건물이나, 공항, 기차역 등과 같이 화재시 인명의 피해가 많은 곳에 매우 적합함.
- EMC = Electromagnetic compatibility
- CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
13500	2 x 0,5	5,7	35,0	46,0	20	13508	8 G 0,5	8,5	80,0	116,0	20
13501	3 G 0,5	6,0	42,0	56,0	20	13509	10 G 0,5	9,3	94,0	135,0	20
13502	3 G 0,5	6,0	42,0	56,0	20	13510	12 G 0,5	9,6	108,0	158,0	20
13503	4 G 0,5	6,5	47,0	62,0	20	13511	16 G 0,5	10,7	129,0	210,0	20
13504	4 G 0,5	6,5	47,0	62,0	20	13512	18 G 0,5	11,2	145,0	216,0	20
13505	5 G 0,5	7,0	56,0	75,0	20	13514	20 G 0,5	11,9	172,0	240,0	20
13506	5 x 0,5	7,0	56,0	75,0	20	13515	25 G 0,5	13,4	240,0	315,0	20
13507	7 G 0,5	7,9	69,0	98,0	20						

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

Continuation ▶

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UV-resistant, flexible, screened, EMC-preferred types, meter marking

Part No.	No. cores x cross-sec. mm²	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm²	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
13516	2 x 0,75	6,1	40,0	60,0	18	13562	2 x 2,5	8,3	96,0	132,0	14
13517	3 G 0,75	6,4	52,0	68,0	18	13563	3 G 2,5	9,0	144,0	168,0	14
13518	3 x 0,75	6,4	52,0	68,0	18	13565	4 G 2,5	9,8	148,0	195,0	14
13519	4 G 0,75	6,9	60,0	78,0	18	13566	5 x 2,5	10,9	181,0	256,0	14
13520	4 x 0,75	6,9	60,0	78,0	18	13567	7 G 2,5	12,9	255,0	345,0	14
13521	5 G 0,75	7,4	71,0	95,0	18	13568	8 G 2,5	13,1	285,0	390,0	17
13522	5 x 0,75	7,4	71,0	95,0	18	13569	10 G 2,5	15,2	340,0	482,0	14
13523	7 G 0,75	8,6	91,0	130,0	18	13570	12 G 2,5	15,9	441,0	572,0	14
13524	7 x 0,75	8,6	91,0	130,0	18	13571	2 x 4	9,8	120,0	220,0	12
13525	8 G 0,75	9,4	110,0	145,0	18	13572	3 G 4	10,6	174,0	251,0	12
13526	10 G 0,75	10,0	137,0	180,0	18	13573	4 G 4	11,5	230,0	305,0	12
13527	12 G 0,75	10,4	142,0	203,0	18	13574	5 G 4	12,7	273,0	388,0	12
13528	16 G 0,75	11,6	200,0	275,0	18	13575	7 G 4	14,0	316,0	504,0	12
13529	18 G 0,75	12,4	212,0	290,0	18	13576	2 x 6	11,5	173,0	270,0	10
13530	20 G 0,75	12,9	238,0	320,0	18	13577	3 G 6	12,4	240,0	351,0	10
13531	25 G 0,75	14,8	281,0	413,0	18	13578	4 G 6	13,8	305,0	464,0	10
13532	2 x 1	6,4	50,0	66,0	17	13579	5 G 6	15,7	439,0	546,0	10
13533	3 G 1	6,7	60,0	80,0	17	13580	7 G 6	16,6	505,0	670,0	10
13534	3 x 1	6,7	60,0	80,0	17	13581	2 x 10	14,9	255,0	461,0	8
13535	4 G 1	7,3	71,0	100,0	17	13582	3 G 10	15,9	350,0	574,0	8
13536	4 x 1	7,3	71,0	100,0	17	13583	4 G 10	17,8	535,0	785,0	8
13537	5 G 1	7,8	88,0	130,0	17	13584	5 G 10	19,6	592,0	914,0	8
13538	7 G 1	9,1	111,0	160,0	17	13585	7 G 10	21,6	810,0	1308,0	8
13539	8 G 1	9,9	127,0	197,0	17	13586	2 x 16	17,2	422,0	670,0	6
13540	10 G 1	10,8	150,0	232,0	17	13587	3 G 16	19,0	585,0	911,0	6
13541	12 G 1	11,2	184,0	260,0	17	13588	4 G 16	20,8	740,0	1105,0	6
13542	16 G 1	12,3	209,0	346,0	17	13589	5 G 16	22,9	895,0	1293,0	6
13543	18 G 1	13,2	260,0	382,0	17	13590	7 G 16	25,0	1282,0	2149,0	6
13544	20 G 1	13,8	317,0	440,0	17	13591	4 G 25	26,2	1140,0	1911,0	4
13545	25 G 1	15,8	349,0	540,0	17	13592	4 x 35	30,4	1576,0	2542,0	2
13546	2 x 1,5	6,6	63,0	88,0	16	13593	4 G 50	34,6	2155,0	3550,0	1
13547	3 G 1,5	6,9	80,0	100,0	16	13594	4 G 70	41,3	3120,0	4939,0	2/0
13548	3 x 1,5	6,9	80,0	100,0	16	13595	4 G 95	46,2	4043,0	6690,0	3/0
13549	4 G 1,5	7,5	97,0	125,0	16	13596	4 G 120	51,0	5069,0	8453,0	4/0
13550	5 G 1,5	8,4	119,0	158,0	16	13597	4 G 150	59,2	5792,0	9104,0	300 kcmil
13552	7 G 1,5	10,0	147,0	210,0	16						
13554	8 G 1,5	11,1	170,0	244,0	16						
13556	10 G 1,5	12,0	193,0	315,0	16						
13557	12 G 1,5	12,1	267,0	340,0	16						
13558	16 G 1,5	14,3	315,0	424,0	16						
13559	18 G 1,5	14,6	374,0	480,0	16						
13560	20 G 1,5	15,9	396,0	545,0	16						
13561	25 G 1,5	17,6	526,0	702,0	16						

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## Our Service on the Internet

The screenshot shows the HELUKABEL website interface. At the top, there is a navigation menu with links for Download centre, Logistic centre, Company, Products, Quality, News, Contact, Service, Opinion, and Imprint. A search bar is located on the right. Below the navigation, there is a 'Photovoltaic system' section with an image of solar panels and text describing a range of wires and accessories. A central banner reads 'Welcome to HELUKABEL' and describes the company as a leading international manufacturer of cable accessories, data-network-bus-engineering and robotics and handling systems. A dropdown menu is open, listing services such as Helis, Metal quotes, Download centre, Certificate of compliance, Catalogue request, HELU - Newsletter, ONLINE - inquiry, and Inquiry form for spiral cables. A world map is visible in the bottom right corner.

### Service

Through our service area, you will reach HELIS, the HELUKABEL Information System. Here you can find out the most important metal prices, receive important documents in the Download Centre, request documents and the newsletter.

[www.helukabel.de](http://www.helukabel.de)