

HELUTHERM® 145 MULTI-C flexible, electron beam cross-linked, halogen-free, Cu-screened, EMC-preferred type, meter marking



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기술사항

- 고 내열성 할로겐 불포함 연결용 케이블
- 온도범위
이송시 -35°C ~ +120°C
고정설치시 -55°C ~ +145°C
(짧은 회로{Short Circuit} +250°C)
- 정격전압
Uo/U 450/ 750V(0.75mm² 이하)
Uo/U 600/ 1000V(1mm² 이상)
- 시험전압 3,500V
- 최소 곡률 반경
고정설치시 4 × cable ø
-30°C 작동시 12 × cable ø
+60°C 작동시 8 × cable ø
- Caloric Load Values
-Technical Information table 참조
- Power ratings table
-Technical Information table 참조

케이블 구조

- 주석도금 구리선, DIN VDE 0295 cl5 BS 6360 cl5 및 IEC 60228 cl5 규격
- 코아 절연체, polydefin 혼성 중합체, 전자빔 교차 결합용
- 코아 DIN VDE 0293-308 규격 및 6 코아 번호 코드
- 할로겐 불포함
- 흑색 코아에 흰색 연속번호
- 코아 최적피치는 적층 연선
- 주석도금 구리 실드, 실드율 85%
- polydefin 혼성 중합체, 전자빔 교차 결합용, 할로겐 불포함 외피
- 색상은 흑색
- 각기 다른 절연 및 외피 색상선택 가능
- 검사
발화검사 DIN VDE 0482 part 266-2/HD 405.3, BS 4066 part 3/EN 50266-2/IEC 60332-3(DIN VDE 0472 part 804 test method C와 유사)
연소가스 부식성 DIN VDE 0482 part 267/EN 50266-2/IEC 60332-3(DIN VDE 0472 part 804 test method C와 유사)
할로겐 불포함 DIN VDE 0482 part 267/EN 50267-2-1/IEC 60754-1(DIN VDE 0472 part 815와 유사)
연기농도 VDE 0482 part 268-1 and 2, test method C, IEC 61034-1/61034-2, HD 606 and BS 7622 part 1 and 2(DIN VDE 0472 part 816)

특징

- 제조공정에 사용한 재료는 카드뮴, 실리콘등을 함유하지 않은 소재로 락커의 습윤(濕潤) 특성을 저해하는 물질 없음

용도

- 본 할로겐 불포함 전자빔 교차 결합용 케이블은 장비, 설비, 기계의 조영설비, 전열기, 전자기기(B급온도), 스위치 시스템, 배전기 등에 적합하며, 석회 내외부 설치, 덕 밑폐 설치뿐만 아니라 교통신호 시스템 및 옥외 용도에 적합함. 본 케이블은 온도, 습도, 오존 및 직사광선에 내구성이 강하여 신호 제어 시스템 및 다양한 외부 환경에서 사용됨. 화재 시 부식 가스가 연소시 할로겐 불포함 케이블에서 배출되기 때문에 연기로 인한 위험이 적음. 화재 시 caloric load value가 상대적으로 낮기 때문에 독가스 위험이 적어서 피난 및 인명피해를 줄이는 데 효율적임. 화재로 인한 금전상 손실 및 제어 시스템과 빌딩·공장의 콘크리트나 철강구조의 피해를 줄일 수 있음. 인명피해 및 재산피해를 줄여줌. 보다 낮은 교차 결합용 도체는 high thermal load로 특정 상황에서 사용가능하며 공간 및 무게를 조절해줌. 본 케이블은 안전 엔지니어링 및 환경보호에 큰 도움이 됨.
- CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG

Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
52194	2 x 0,25	5,0	16,0	36,0	24	52196	5 x 0,25	6,4	29,0	68,0	24
52195	3 x 0,25	5,5	21,0	44,0	24	52197	7 x 0,25	7,5	37,0	95,0	24

Dimensions and specifications may be changed without prior notice.

Continuation ▶

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Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
52198	1 x 0,5	3,7	15,0	24,0	20	52240	1 x 1,5	4,8	22,0	42,0	16
52199	2 x 0,5	6,0	29,0	55,0	20	52241	2 x 1,5	8,4	58,0	105,0	16
52200	3 x 0,5	6,3	38,0	64,0	20	52242	3 x 1,5	8,9	71,0	121,0	16
52201	4 x 0,5	6,9	45,0	78,0	20	52243	4 x 1,5	9,9	86,0	156,0	16
52202	5 x 0,5	7,7	51,0	95,0	20	52244	5 x 1,5	10,7	104,0	188,0	16
52203	6 x 0,5	8,1	66,0	106,0	20	52245	6 x 1,5	11,8	118,0	225,0	16
52204	7 x 0,5	8,7	68,0	122,0	20	52246	7 x 1,5	12,7	136,0	264,0	16
52205	8 x 0,5	9,4	80,0	138,0	20	52247	8 x 1,5	13,8	172,0	308,0	16
52206	10 x 0,5	10,4	93,0	161,0	20	52248	10 x 1,5	15,4	193,0	361,0	16
52207	12 x 0,5	10,4	107,0	170,0	20	52249	12 x 1,5	15,4	222,0	383,0	16
52208	14 x 0,5	11,0	122,0	193,0	20	52250	14 x 1,5	16,5	272,0	458,0	16
52209	16 x 0,5	11,7	129,0	216,0	20	52251	16 x 1,5	17,3	285,0	515,0	16
52210	19 x 0,5	12,8	158,0	253,0	20	52252	19 x 1,5	19,5	331,0	639,0	16
52211	21 x 0,5	13,5	167,0	281,0	20	52253	21 x 1,5	20,5	367,0	705,0	16
52212	1 x 0,75	4,0	18,0	29,0	18	52254	1 x 2,5	5,6	28,0	59,0	14
52213	2 x 0,75	6,7	38,0	71,0	18	52255	2 x 2,5	9,9	96,0	148,0	14
52214	3 x 0,75	7,1	50,0	82,0	18	52256	3 x 2,5	10,5	146,0	183,0	14
52215	4 x 0,75	7,7	58,0	100,0	18	52257	4 x 2,5	11,5	150,0	221,0	14
52216	5 x 0,75	8,5	70,0	117,0	18	52258	5 x 2,5	12,8	200,0	273,0	14
52217	6 x 0,75	9,1	85,0	135,0	18	52259	6 x 2,5	13,9	227,0	326,0	14
52218	7 x 0,75	9,9	90,0	158,0	18	52260	7 x 2,5	15,5	235,0	397,0	14
52219	8 x 0,75	10,6	110,0	178,0	18	52261	8 x 2,5	16,8	265,0	475,0	14
52220	10 x 0,75	11,7	140,0	207,0	18	52262	10 x 2,5	18,4	326,0	542,0	14
52221	12 x 0,75	11,7	148,0	220,0	18	52263	12 x 2,5	18,4	376,0	582,0	14
52222	14 x 0,75	12,4	167,0	250,0	18	52264	14 x 2,5	19,7	428,0	681,0	14
52223	16 x 0,75	13,2	183,0	282,0	18	52265	16 x 2,5	21,1	480,0	778,0	14
52224	19 x 0,75	14,5	212,0	335,0	18	52266	19 x 2,5	23,5	557,0	948,0	14
52225	21 x 0,75	15,3	230,0	370,0	18	52267	21 x 2,5	24,7	606,0	1042,0	14
52226	1 x 1	4,3	1,7	33,0	17	52268	1 x 4	6,4	56,0	86,0	12
52227	2 x 1	7,2	31,0	78,0	17	52269	2 x 4	11,1	135,0	196,0	12
52228	3 x 1	7,7	56,0	92,0	17	52270	3 x 4	11,8	178,0	248,0	12
52229	4 x 1	8,3	66,0	112,0	17	52271	4 x 4	13,2	220,0	316,0	12
52230	5 x 1	9,0	95,0	134,0	17	52272	5 x 4	14,5	259,0	376,0	12
52231	6 x 1	10,0	105,0	164,0	17	52273	6 x 4	15,8	302,0	452,0	12
52232	7 x 1	10,9	109,0	192,0	17	52274	7 x 4	17,5	355,0	555,0	12
52233	8 x 1	11,6	130,0	219,0	17	52275	8 x 4	19,1	392,0	655,0	12
52234	10 x 1	12,8	138,0	254,0	17	52276	10 x 4	21,3	480,0	767,0	12
52235	12 x 1	12,8	164,0	270,0	17	52277	12 x 4	21,3	557,0	829,0	12
52236	14 x 1	13,5	198,0	308,0	17	52278	14 x 4	22,5	636,0	948,0	12
52237	16 x 1	14,3	203,0	350,0	17	52279	1 x 6	7,0	81,0	108,0	10
52238	19 x 1	16,2	235,0	447,0	17	52280	2 x 6	12,4	175,0	255,0	10
52239	21 x 1	17,0	257,0	492,0	17	52281	3 x 6	13,3	240,0	330,0	10
						52282	4 x 6	14,9	305,0	429,0	10
						52283	5 x 6	16,3	441,0	536,0	10
						52284	6 x 6	17,9	473,0	624,0	10
						52285	7 x 6	19,9	505,0	751,0	10
						52286	1 x 10	8,6	124,0	170,0	8
						52287	2 x 10	15,9	265,0	409,0	8
						52288	3 x 10	17,0	370,0	550,0	8
						52289	4 x 10	19,1	485,0	715,0	8
						52290	5 x 10	21,1	610,0	882,0	8
						52291	6 x 10	23,3	715,0	1026,0	8
						52292	7 x 10	25,2	820,0	1195,0	8

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