

# JZ-HF flexible, number coded, control cable for drag chains, meter marking



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## 기술사항

- 제어용 케이블, 특수 PVC 특수 구조용으로 후렉시블 탁월 DIN VDE 0281 part 13 규격
- 온도범위  
이송시 -5°C ~ 80°C  
고정 설치시 -40°C ~ 80°C
- 정격전압 U<sub>0</sub>/U 300/500V
- 시험 전압 4,000V
- 절연파괴전압 최소 8,000V
- 절연저항  
최소 20 MOhm x km
- 최소 곡률 반경  
이송시 7.5 x cable ø  
고정설치시 4 x cable ø
- 내 방사선 성능  
up to 80 x 10<sup>6</sup> cJ/Kg (up to 80Mrad)

## 케이블 구조

- 미세동선 DIN VDE 0295 cl6, cat4, BS6360 cl.6과 IEC 60228 cl6 규격 연선
- 특수 PVC Z7225 코아 절연체
- 흑색 피복선에 백색 연속 번호 DIN VDE 0293
- 황-녹색 접지선
- 코아 최적 피치로 코아 적응 연선
- 코아 직물 피복
- DIN VDE 0281 part 1 및 HD21.1 규격의 특수 PVC 슈스, TM2, 색깔 화색 (RAL 7001)

## 특징

- 넓은 범위의 내유성, 내화학성 Technical Information table 참조
- 자체 소화성 및 난연성 PVC, DIN VDE 0482 part 265-2-1 / EN 50265-2-1 / IEC 60332-1 (DIN VDE 0472 part 804 검사법 B 적용)
- 사용 재료는 카드뮴, 실리콘등이 없는 무독성 소재로 락커의 습윤(濕潤)특성을 저해하는 물질 없음

## 용도

- JZ-HF 케이블은 후렉시블이 탁월하여 기기산업, 로봇틱스 및 고도의 이동성을 요하는 기계부위 등과 같이 빠르고 높은 유연성을 요하는 모든 영역에 이상적인 케이블임.
- 표준형 케이블 트레이에 사용했을 때 우수한 성능을 보임.
- 중간 정도의 장력을 받으며 임의로 이동하는 물체에 비 고정식으로 사용하는데 적합함.
- 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 ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
15001	2 x 0,5	5,0	9,6	46,0	20	15019	2 x 0,75	5,4	14,4	58,0	18
15002	3 G 0,5	5,3	14,0	57,0	20	15020	3 G 0,75	5,7	22,0	73,0	18
15003	4 G 0,5	5,7	19,0	70,0	20	15021	4 G 0,75	6,4	29,0	77,0	18
15004	5 G 0,5	6,4	24,0	93,0	20	15022	5 G 0,75	7,0	36,0	119,0	18
15005	7 G 0,5	7,5	34,0	127,0	20	15023	7 G 0,75	8,3	50,0	165,0	18
15090	7 x 0,5	7,5	34,0	127,0	20	15024	10 G 0,75	10,1	72,0	216,0	18
15006	10 G 0,5	9,1	48,0	161,0	20	15025	12 G 0,75	10,2	86,0	247,0	18
15007	12 G 0,5	9,2	58,0	177,0	20	15026	14 G 0,75	10,9	101,0	284,0	18
15008	14 G 0,5	9,8	67,0	213,0	20	15027	16 G 0,75	11,5	115,0	320,0	18
15009	16 G 0,5	10,3	77,0	260,0	20	15028	18 G 0,75	12,1	130,0	356,0	18
15010	18 G 0,5	11,1	86,0	284,0	20	15029	20 G 0,75	12,8	144,0	453,0	18
15011	20 G 0,5	11,6	96,0	318,0	20	15030	25 G 0,75	14,9	180,0	498,0	18
15012	25 G 0,5	13,4	120,0	363,0	20	15031	30 G 0,75	15,2	216,0	510,0	18
15013	30 G 0,5	13,7	144,0	432,0	20	15032	34 G 0,75	16,6	245,0	550,0	18
15014	34 G 0,5	15,0	163,0	487,0	20	15033	36 G 0,75	16,6	259,0	570,0	18
15015	36 G 0,5	15,0	173,0	518,0	20	15034	42 G 0,75	18,1	302,0	600,0	18
15016	42 G 0,5	16,1	202,0	575,0	20	15035	50 G 0,75	20,0	360,0	700,0	18
15017	50 G 0,5	17,9	240,0	675,0	20	15036	61 G 0,75	23,3	432,0	820,0	18
15018	61 G 0,5	19,6	290,0	829,0	20	15091	65 G 0,75	24,7	439,0	841,0	18

Dimensions and specifications may be changed without prior notice.

Continuation ▶

# JZ-HF flexible, number coded, control cable for drag chains , meter marking



Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
15037	2 x 1	5,7	19,0	65,0	17
15038	3 G 1	6,0	29,0	84,0	17
15039	4 G 1	6,8	38,0	113,0	17
15040	5 G 1	7,4	48,0	137,0	17
15041	7 G 1	8,8	67,0	192,0	17
15042	10 G 1	10,7	96,0	251,0	17
15043	12 G 1	10,8	115,0	295,0	17
15044	14 G 1	11,6	134,0	337,0	17
15045	16 G 1	12,2	154,0	379,0	17
15046	18 G 1	13,0	173,0	420,0	17
15047	20 G 1	13,6	192,0	480,0	17
15048	25 G 1	15,8	240,0	600,0	17
15049	30 G 1	16,4	288,0	695,0	17
15050	34 G 1	17,8	326,0	777,0	17
15051	36 G 1	17,8	346,0	825,0	17
15052	41 G 1	19,3	403,0	926,0	17
15214	42 G 1	19,3	403,0	948,0	17
15053	50 G 1	21,2	480,0	1092,0	17
15092	61 G 1	23,2	586,0	1204,0	17
15054	65 G 1	23,7	624,0	1400,0	17
15055	2 x 1,5	6,4	29,0	91,0	16
15056	3 G 1,5	6,8	43,0	117,0	16
15057	4 G 1,5	7,4	58,0	147,0	16
15058	5 G 1,5	8,3	72,0	181,0	16
15059	7 G 1,5	9,9	101,0	273,0	16
15060	10 G 1,5	11,9	144,0	344,0	16
15061	12 G 1,5	12,1	173,0	391,0	16
15062	14 G 1,5	12,9	202,0	457,0	16
15063	16 G 1,5	13,6	230,0	523,0	16
15064	18 G 1,5	14,5	259,0	590,0	16
15065	20 G 1,5	15,2	288,0	650,0	16
15066	25 G 1,5	17,8	360,0	801,0	16
15067	30 G 1,5	18,2	432,0	958,0	16
15068	34 G 1,5	19,7	490,0	1084,0	16
15069	36 G 1,5	19,7	518,0	1135,0	16
15070	42 G 1,5	21,5	605,0	1290,0	16
15071	50 G 1,5	23,7	720,0	1521,0	16
15072	60 G 1,5	25,3	864,0	1885,0	16
15215	61 G 1,5	26,2	878,0	1916,0	16
15216	65 G 1,5	27,6	936,0	1994,0	16

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
15073	2 x 2,5	7,7	43,0	130,0	14
15074	3 G 2,5	8,4	72,0	160,0	14
15075	4 G 2,5	9,1	96,0	200,0	14
15076	5 G 2,5	10,2	120,0	268,0	14
15077	7 G 2,5	12,2	168,0	357,0	14
15078	10 G 2,5	15,0	240,0	486,0	14
15079	12 G 2,5	15,2	288,0	572,0	14
15080	14 G 2,5	16,1	336,0	612,0	14
15081	16 G 2,5	17,2	384,0	702,0	14
15082	18 G 2,5	18,1	432,0	800,0	14
15083	20 G 2,5	19,2	480,0	920,0	14
15084	25 G 2,5	22,5	600,0	1100,0	14
15085	30 G 2,5	23,5	720,0	1400,0	14
15086	34 G 2,5	25,2	816,0	1500,0	14
15087	36 G 2,5	25,2	864,0	1600,0	14
15088	42 G 2,5	27,4	1008,0	1800,0	14
15089	50 G 2,5	30,0	1200,0	2100,0	14
15142	3 G 4	10,4	115,0	221,0	12
15143	4 G 4	11,4	154,0	260,0	12
15144	5 G 4	12,7	192,0	318,0	12
15145	4 G 6	13,3	230,0	392,0	10
15146	5 G 6	14,5	288,0	481,0	10
15147	4 G 10	17,7	384,0	642,0	8
15148	5 G 10	19,7	480,0	780,0	8
15149	4 G 16	19,8	614,0	926,0	6
15150	5 G 16	22,3	768,0	1135,0	6

Dimensions and specifications may be changed without prior notice.

HELUKABEL GMBH						
Schleppketten-Testergebnis						
Type:	JZ-HF / -EY					
Art. Nr	Aderzahl x Nennquerschnitt mm	Außerdurchmesser mm	geschlmt	Stärke	Temp	Lebensdauer
15023	7G0,75	8,30	nen	2,50	200	1.000.000
15005	7G0,5	7,50	nen	1,50	200	1.000.000
15041	7G1	8,80	nen	1,50	200	1.000.000
15050	5G1,5	9,30	nen	1,50	200	1.000.000
15006	10G0,5	9,10	nen	1,50	200	1.000.000
15075	4G2,5	10,40	ja	1,50	200	1.000.000
15967	19G1	13,10	ja	1,50	200	1.000.000
15986	14G0,75	13,10	ja	1,50	200	1.000.000
15966	12G1	14,40	ja	1,50	200	1.000.000
15966	7G2,5	12,70	ja	1,50	200	1.000.000
15928	5G2,5	11,50	ja	1,50	200	1.000.000

To be able to provide information on the service life and in line with our certification to DIN EN ISO 9001:2000, we document the realistic testing of our cables suitable for use in drag chains.