



HELUKABEL JZ-603 <VDE> <HAR> H05 VV5-F 4 G 1 QMM E 170315 AWM STYLE 2587 18 AWG / 1 QMM 4 C VW - 1 LL113926 CSA AWM III A/B 600V 90° C FT 1



## 기술사항

- 제어용 케이블, 특수 PVC, 내유성  
DIN VDE 0281 part 13, HD21.13 S1 UL Style 2587 규격
- 온도범위  
이송시 -40°C ~ 70°C (HAR)  
고정설치시 -40°C ~ 90°C (UL+CSA)
- 정격전압  
(HAR)  $U_0/U = 300/500V$   
(UL+CSA)  $U = 600V$
- 절연파괴전압 최소 6,000V
- 시험전압 3,000V
- 절연저항  
최소 20 MOhm / km이상
- 최소 곡률 반경  
이송시 7.5 x cable  $\phi$   
고정설치시 3 x cable  $\phi$
- 내 방사선 성능  
up to 80 x 10<sup>6</sup> cJ/Kg(up to 80Mrad)

## 케이블 구조

- 미세동선, DIN VDE 0295 d.5  
BS 6360 cl.5 및 IEC 60228 cl.5 규격
- 특수 PVC 코아 절연체 T11, DIN VDE 0281(HAR) part 1 HD 21.1S2 및 class 43, UL 표준 1581
- 흑색 피복선에 백색 연속 번호
- 바깥층에 황-녹색 접지선
- 코아 최적 피치로 적층 연선
- 특수 PVC 절연 외부 쉬스 TH5 (DIN VDE 0281 part 1 HD21.1S2 및 class 43, UL 표준 1581), 색깔 회색 (RAL 70001)

## 특징

- HD/EN 6081-2-1, UL 1581
- part 50.182에 따른 오일저항
- 내유성 및 난연성은 VDE 0207, UL 1581 part 50.182, ASTM-Oil No.2, VDE 0472 part 804, UL 1581 part 50.182 규격
- 자체 소화성 및 방염성 PVC, DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1(DIN VDE 0472 part 804 및 IEC 60332-1 검사방법 B) UL-VW 1
- 사용 재질은 카드뮴, 실리콘등이 없는 무독성 소재로 락커의 습윤(濕潤) 특성을 저해하는 물질 없음

## 용도

- UL-CSA-HAR 승인 케이블은 주로 수출용으로 설계되어 기계가공, 제어시스템, 조립라인 및 기타 산업용 장비등에 사용됨.
- 본 견본실내에서 외부의 힘을 받아 움직이는 경우가 아니고 중간급 정도의 변형력이 있어도 인장력이 가해지지 않는 비고정식 설치용으로 적합하며 야외 용으로는 적합하지 않음.
- 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>	AWG-no.	Outer $\phi$ ca. mm	Cop. weight kg / km	Weight ca. kg / km
83704	2 x 0,5	20	5,7	9,6	52,0
83650	3 G 0,5	20	6,1	14,0	63,0
83651	4 G 0,5	20	6,7	19,0	69,0
83652	5 G 0,5	20	7,3	24,0	87,0
83653	7 G 0,5	20	8,8	34,0	119,0
83654	12 G 0,5	20	11,1	58,0	198,0
83655	18 G 0,5	20	12,9	86,0	266,0
83656	25 G 0,5	20	16,0	120,0	380,0
83657	34 G 0,5	20	17,7	163,0	508,0
83658	41 G 0,5	20	19,5	197,0	594,0
83659	50 G 0,5	20	21,3	240,0	715,0
83660	61 G 0,5	20	23,8	293,0	840,0
83705	2 x 0,75	19	6,0	14,4	66,0
83661	3 G 0,75	19	6,5	22,0	76,0
83662	4 G 0,75	19	7,1	29,0	85,0
83663	5 G 0,75	19	7,9	36,0	113,0
83664	7 G 0,75	19	9,5	50,0	144,0
83665	12 G 0,75	19	11,6	86,0	245,0
83666	18 G 0,75	19	13,9	130,0	327,0
83667	25 G 0,75	19	17,1	180,0	466,0
83668	34 G 0,75	19	19,1	245,0	626,0
83669	41 G 0,75	19	20,9	296,0	747,0
83670	50 G 0,75	19	23,0	360,0	896,0
83671	61 G 0,75	19	25,3	439,0	1070,0
83706	2 x 1	18	6,3	19,2	70,0
83672	3 G 1	18	6,8	29,0	88,0
83673	4 G 1	18	7,5	39,0	99,0
83674	5 G 1	18	8,4	48,0	132,0
83675	7 G 1	18	10,0	67,0	170,0
83676	12 G 1	18	12,5	115,0	285,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer $\phi$ ca. mm	Cop. weight kg / km	Weight ca. kg / km
83677	18 G 1	18	14,7	173,0	405,0
83678	25 G 1	18	18,0	240,0	570,0
83679	34 G 1	18	20,3	326,0	742,0
83680	41 G 1	18	22,4	394,0	885,0
83681	50 G 1	18	24,3	480,0	1071,0
83682	61 G 1	18	26,8	586,0	1265,0
83707	2 x 1,5	16	7,4	28,8	91,0
83683	3 G 1,5	16	8,0	43,0	110,0
83684	4 G 1,5	16	8,7	58,0	141,0
83685	5 G 1,5	16	9,8	72,0	167,0
83686	7 G 1,5	16	11,9	101,0	225,0
83687	12 G 1,5	16	14,5	173,0	361,0
83688	18 G 1,5	16	17,4	259,0	518,0
83689	25 G 1,5	16	21,3	360,0	730,0
83690	34 G 1,5	16	24,1	490,0	945,0
83691	41 G 1,5	16	26,2	591,0	1135,0
83692	50 G 1,5	16	28,8	720,0	1381,0
83693	61 G 1,5	16	31,5	878,0	1640,0
83708	2 x 2,5	14	9,2	48,0	125,0
83694	3 G 2,5	14	9,9	72,0	169,0
83695	4 G 2,5	14	11,0	96,0	209,0
83696	5 G 2,5	14	12,0	120,0	256,0
83697	7 G 2,5	14	14,6	168,0	340,0
83698	12 G 2,5	14	18,1	288,0	579,0
83699	18 G 2,5	14	22,1	432,0	851,0
83700	25 G 2,5	14	26,5	600,0	1175,0
83701	34 G 2,5	14	29,9	816,0	1529,0
83702	50 G 2,5	14	35,2	1200,0	2290,0
83703	61 G 2,5	14	38,4	1464,0	2724,0

Dimensions and specifications may be changed without prior notice.