

# F-CY-OZ (LiY-CY) flexible, Cu-screened, EMC-preferred type, meter marking



A



## 기술사항

- 데이터 케이블, 특수 PVC  
DIN VDE 0245,0281 part 13 규격
- 온도범위  
이송시 -5°C ~ 80°C  
고정 설치시 -40°C ~ 80°C
- 정격전압 U<sub>0</sub>/U 300/500V  
Single core형 (LiYDY) 1200V
- 시험전압  
core/core = 4000V  
core/screen = 2000V
- 절연파괴전압 최소 8000V
- 절연저항 최소 20MΩhm x km
- 상호 정전용량(단면적에 준하여)  
core/core 150nF/km  
core/screen 270nF/km
- 결합저항 최대 250 Ωhm/km
- 최소 곡률 반경  
이송시 10 x cable Ø  
고정 설치시 5 x cable Ø
- 내 방사선 성능  
up to 80 x 10<sup>6</sup> cJ/kg(up to 80Mrad)

## 케이블 구조

- 미세나동 집합 연선도체, DIN VDE 0295 cl.5, BS 6360 cl.5 와 IEC 60228 cl.5 규격
- 특수 PVC Z7225 코아 절연체
- 흑색 코아 피복에 백색 연속번호  
DIN VDE 0293 규격
- 코아 최적 피치로 코아 적층 연선
- 코아 포일 랩
- 주석도금 구리 편조 실드. 실드율 약 85%
- Single core형(LiYDY) 향:나선형 구리 실드) 실드율 약 85%
- 특수 PVC 외부 쉬스, 회색  
TM2, DIN VDE 0281 part 1 및 HD21.1 규격

## 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 / EC 60332-1  
(DIN VDE 0472 part 804 검사법 B적용)
- 사용 재질은 카드뮴, 실리콘 등이 없는 무독성 소재로 락커의 습윤(濕潤)특성을 저해하는 물질 없음

## 용도

- 본 케이블은 건습한 환경의 실내에서, 인장력이나 외력에 의해 움직이지 않는 중간 정도의 기계적 장력이 있는 이동부위의 경우에는 다용도로 쓸 수 있음.
- 야외용으로는 부적합. 제어기술, 공작기계류, 기계 산업, 컴퓨터 분야에는 데이터 케이블로, 전자분야에는 신호용 케이블로 적합함.
- 코아와 실드선 사이에 안정 격리 층을 두어 외경과 구부림 반경의 최소화 및 경량화 등을 실현함.
- 고밀도 실드로 신호를 잡음 없이 전송가능. 위 각 용도에 맞는 가장 이상적인 제어용 케이블.
- EMC = 전자기 간섭 차단성  
주의 : EMC의 특성을 극대화하기 위해 양 끝단에서 구리 실드선을 한바퀴 넓게 감아서 접속할 것.
- 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.
16531	1 x 0,5	3,7	15,0	41,0	20	16544	20 x 0,5	11,9	173,0	240,0	20
16532	2 x 0,5	5,7	29,0	45,0	20	16545	21 x 0,5	12,5	189,0	250,0	20
16533	3 x 0,5	6,0	39,0	55,0	20	16546	24 x 0,5	12,9	236,0	300,0	20
16534	4 x 0,5	6,5	46,0	61,0	20	16547	25 x 0,5	13,5	250,0	314,0	20
16535	5 x 0,5	7,0	52,0	74,0	20	16548	30 x 0,5	14,0	297,0	360,0	20
16536	6 x 0,5	7,4	66,0	89,0	20	16549	32 x 0,5	14,6	301,0	425,0	20
16537	7 x 0,5	7,9	68,0	98,0	20	16550	34 x 0,5	15,3	312,0	433,0	20
16538	8 x 0,5	8,5	80,0	117,0	20	16551	36 x 0,5	15,3	320,0	446,0	20
16539	10 x 0,5	9,3	93,0	135,0	20	16552	40 x 0,5	16,4	345,0	475,0	20
16540	12 x 0,5	9,6	117,0	157,0	20	16553	50 x 0,5	18,1	407,0	573,0	20
16541	14 x 0,5	10,0	122,0	190,0	20	16554	61 x 0,5	19,8	580,0	653,0	20
16542	16 x 0,5	10,7	129,0	210,0	20	16555	80 x 0,5	21,9	690,0	784,0	20
16543	18 x 0,5	11,2	152,0	217,0	20	16556	100 x 0,5	24,3	814,0	995,0	20

Dimensions and specifications may be changed without prior notice.

Continuation ▶

# F-CY-OZ (LiY-CY) flexible, Cu-screened, EMC-preferred type, 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.
16557	1 x 0,75	3,9	19,0	44,0	18
16558	2 x 0,75	6,1	38,0	59,0	18
16559	3 x 0,75	6,4	50,0	66,0	18
16560	4 x 0,75	6,9	57,0	77,0	18
16561	5 x 0,75	7,4	70,0	93,0	18
16562	6 x 0,75	8,0	87,0	113,0	18
16563	7 x 0,75	8,6	96,0	130,0	18
16564	8 x 0,75	9,4	110,0	145,0	18
16565	10 x 0,75	10,2	140,0	180,0	18
16566	12 x 0,75	10,4	151,0	202,0	18
16567	14 x 0,75	11,1	167,0	225,0	18
16568	16 x 0,75	11,6	183,0	275,0	18
16569	18 x 0,75	12,4	207,0	292,0	18
16570	19 x 0,75	12,6	221,0	308,0	18
16571	20 x 0,75	12,9	238,0	320,0	18
16572	21 x 0,75	13,8	246,0	378,0	18
16573	24 x 0,75	14,5	270,0	455,0	18
16574	25 x 0,75	15,1	278,0	415,0	18
16575	27 x 0,75	15,0	287,0	435,0	18
16576	30 x 0,75	15,6	315,0	450,0	18
16577	32 x 0,75	16,1	330,0	484,0	18
16578	34 x 0,75	16,9	350,0	502,0	18
16579	36 x 0,75	16,9	370,0	535,0	18
16580	37 x 0,75	17,7	386,0	592,0	18
16581	40 x 0,75	18,3	395,0	610,0	18
16582	50 x 0,75	20,0	480,0	777,0	18
16583	61 x 0,75	21,9	555,0	900,0	18
16584	80 x 0,75	24,3	715,0	1210,0	18
16585	100 x 0,75	26,8	910,0	1445,0	18
16050	1 x 1	4,9	21,0	47,0	17
16051	2 x 1	6,4	46,0	65,0	17
16052	3 x 1	6,7	56,0	81,0	17
16053	4 x 1	7,3	69,0	98,0	17
16054	5 x 1	7,8	89,0	127,0	17
16055	6 x 1	8,5	105,0	144,0	17
16056	7 x 1	9,1	111,0	158,0	17
16057	8 x 1	9,9	130,0	197,0	17
16058	10 x 1	10,8	140,0	232,0	17
16059	12 x 1	11,2	168,0	260,0	17
16060	14 x 1	11,8	198,0	302,0	17
16061	16 x 1	12,3	218,0	345,0	17
16062	18 x 1	13,2	245,0	380,0	17
16063	20 x 1	13,8	267,0	440,0	17
16064	24 x 1	15,5	320,0	495,0	17
16065	25 x 1	16,2	332,0	534,0	17
16066	28 x 1	16,7	370,0	595,0	17
16067	30 x 1	16,7	375,0	616,0	17
16068	34 x 1	18,0	440,0	741,0	17
16069	40 x 1	19,4	510,0	835,0	17
16070	50 x 1	21,4	625,0	1025,0	17
16071	61 x 1	23,4	710,0	1200,0	17
16072	80 x 1	26,0	940,0	1440,0	17
16073	100 x 1	28,8	1180,0	1610,0	17

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.
16074	1 x 1,5	5,1	27,0	70,0	16
16075	2 x 1,5	7,0	63,0	88,0	16
16076	3 x 1,5	7,4	76,0	100,0	16
16077	4 x 1,5	8,1	98,0	126,0	16
16078	5 x 1,5	8,9	116,0	160,0	16
16079	7 x 1,5	10,5	152,0	208,0	16
16080	8 x 1,5	11,2	172,0	244,0	16
16081	10 x 1,5	12,6	193,0	316,0	16
16082	12 x 1,5	12,8	222,0	338,0	16
16083	14 x 1,5	13,6	272,0	383,0	16
16084	16 x 1,5	14,3	285,0	424,0	16
16085	18 x 1,5	15,2	368,0	479,0	16
16086	20 x 1,5	15,9	407,0	545,0	16
16087	24 x 1,5	17,9	448,0	690,0	16
16088	25 x 1,5	18,5	500,0	705,0	16
16089	28 x 1,5	19,0	525,0	810,0	16
16090	30 x 1,5	19,0	555,0	830,0	16
16091	35 x 1,5	20,8	645,0	890,0	16
16092	40 x 1,5	22,5	725,0	1060,0	16
16093	50 x 1,5	24,5	885,0	1440,0	16
16094	61 x 1,5	27,0	1120,0	1700,0	16
16095	80 x 1,5	30,0	1360,0	2000,0	16
16096	100 x 1,5	33,3	1690,0	2500,0	16
16097	1 x 2,5	5,9	39,0	50,0	14
16098	2 x 2,5	8,3	96,0	130,0	14
16099	3 x 2,5	9,0	146,0	167,0	14
16100	4 x 2,5	9,8	174,0	195,0	14
16101	5 x 2,5	10,9	200,0	223,0	14
16102	7 x 2,5	12,9	235,0	344,0	14
16103	12 x 2,5	15,9	441,0	522,0	14
16104	2 x 4	9,8	135,0	185,0	12
16105	3 x 4	10,6	178,0	240,0	12
16106	4 x 4	11,5	240,0	310,0	12
16107	5 x 4	12,7	328,0	400,0	12
16108	7 x 4	14,0	355,0	500,0	12
16109	2 x 6	11,5	175,0	268,0	10
16110	3 x 6	12,4	240,0	330,0	10
16111	4 x 6	13,8	335,0	415,0	10
16112	5 x 6	15,7	441,0	509,0	10
16113	7 x 6	16,6	505,0	672,0	10
16114	2 x 10	14,9	265,0	425,0	8
16115	3 x 10	15,9	370,0	500,0	8
16116	4 x 10	17,8	485,0	783,0	8
16117	5 x 10	19,6	714,0	856,0	8
16118	7 x 10	21,6	820,0	1300,0	8

Dimensions and specifications may be changed without prior notice.