HF-CO 전력케이블

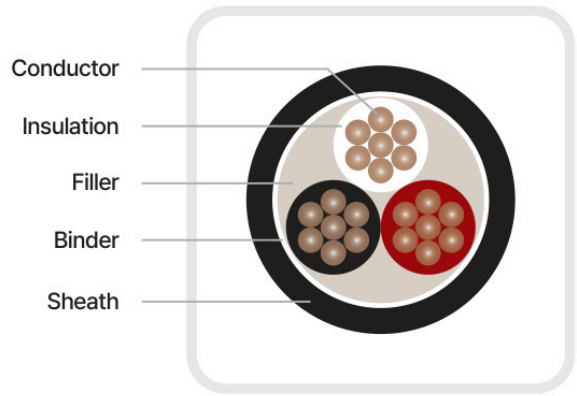
0.6/1kV XLPE 절연 · 저독성 난연 폴리올레핀 외피

구조도 · 재료 구성 · 1심(1 Core) 규격표

01 케이블 구성

- 연동 연선 동도체(Class 2)
- XLPE 절연(카탈로그 표기 90℃)
- 코어 연합 및 충전재(Filler)
- 저독성 난연 폴리올레핀 외피
- 정격 0.6/1kV · 1~4심 구성
- KS C IEC 60502-1 (원본 표기)

02 단면 구조도 | 원본 확대



사양 확인 안내

표의 수치와 적용 규격은 원본 카탈로그 기준입니다. 인증·납품 가능 규격은 최신 승인도면 및 유효한 시험성적서로 확인해야 합니다.

03 1심(1 Core) 규격표

도체 단면적 · 절연/외피 두께 · 외경 · 도체저항 · 시험전압 · 중량

0.6/1kV HFCO(Single Core)

Conductor			Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. Overall diameter mm	Conductor D.C resistance at 20°C Ω/km	Test voltage kV	Approx.weight kg/km
Nominal Sectional Area ㎟	Construction No./mm	Outer diameter mm						
1.5	7/0.53	1.59	0.7	1.4	6.5	12.1	3.5	50
2.5	7/0.67	2.01			7.0	7.41		70
4	7/0.85	2.55			7.5	4.61		90
6	7/1.04	3.12			8.0	3.08		110
10	7/1.35	4.05			9.0	1.83		170
16	C.C	4.80			9.5	1.15		210
25		5.90	0.9		11.0	0.727		310
35		6.90			12.0	0.524		400
50		8.10	1.0		13.5	0.387		520
70		9.80	1.1		15.5	0.268		720
95		11.40		1.5	17.5	0.193		970
120		12.90	1.2		19.0	0.153		1210
150		14.40	1.4	1.6	21.0	0.124		1490
185		15.90	1.6		23.0	0.0991		1840
240		18.30	1.7	1.7	26.0	0.0754		2400
300		20.50	1.8	1.8	28.5	0.0601		2980
400		23.20	2.0	1.9	32.0	0.0470		3800
500		26.40	2.2	2.0	36.0	0.0366		4850
630		30.20	2.4	2.2	40.5	0.0283		6240

HF-CO 전력케이블

2심 · 3심 · 4심 규격표

04 다심(2·3·4 Core) 규격표

0.6/1kV HFCO(2Core)

Conductor			Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. Overall diameter mm	Conductor D.C resistance at 20°C Ω/km	Test voltage kV	Approx.weight kg/km
Nominal Sectional Area ㎟	Construction No./mm	Outer diameter mm						
1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3.5	120
2.5	7/0.67	2.01			11.5	7.41		150
4	7/0.85	2.55			12.5	4.61		190
6	7/1.04	3.12			13.5	3.08		240
10	7/1.35	4.05			15.5	1.83		330
16	C.C	4.80			16.5	1.15		450
25		5.90	0.9		20.0	0.727		660
35		6.90			22.0	0.524		880
50		8.10	1.0	1.8	25.0	0.387		1150
70		9.80	1.1		28.5	0.268		1610
95		11.40		1.9	32.0	0.193		2170
120		12.90	1.2	2.0	35.5	0.153		2670
150		14.40	1.4	2.2	40.0	0.124		3310
185		15.90	1.6	2.3	44.0	0.0991		4110
240		18.30	1.7	2.5	50.0	0.0754		5340
300		20.50	1.8	2.6	55.5	0.0601		6630

0.6/1kV HFCO(3Core)

Conductor			Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. Overall diameter mm	Conductor D.C resistance at 20°C Ω/km	Test voltage kV	Approx.weight kg/km
Nominal Sectional Area ㎟	Construction No./mm	Outer diameter mm						
1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3.5	150
2.5	7/0.67	2.01			12.0	7.41		180
4	7/0.85	2.55			13.0	4.61		240
6	7/1.04	3.12			14.5	3.08		310
10	7/1.35	4.05			16.5	1.83		450
16	C.C	4.80			17.5	1.15		610
25		5.90	0.9		21.0	0.727		900
35		6.90			23.5	0.524		1210
50		8.10	1.0		26.5	0.387		1560
70		9.80	1.1	1.9	31.0	0.268		2200
95		11.40		2.0	34.5	0.193		2970
120		12.90	1.2	2.1	38.5	0.153		3790
150		14.40	1.4	2.3	43.0	0.124		4670
185		15.90	1.6	2.4	47.5	0.0991		5830
240		18.30	1.7	2.6	53.5	0.0754		7580
300		20.50	1.8	2.7	59.0	0.0601		9400

0.6/1kV HFCO(4Core)

Conductor			Nominal insulation thickness mm	Nominal sheath thickness mm	Approx. Overall diameter mm	Conductor D.C resistance at 20°C Ω/km	Test voltage kV	Approx.weight kg/km
Nominal Sectional Area ㎟	Construction No./mm	Outer diameter mm						
1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3.5	170
2.5	7/0.67	2.01			13.0	7.41		220
4	7/0.85	2.55			14.0	4.61		290
6	7/1.04	3.12			15.5	3.08		380
10	7/1.35	4.05			17.5	1.83		570
16	C.C	4.80			19.5	1.15		790
25		5.90	0.9		23.5	0.727		1180
35		6.90			25.5	0.524		1550
50		8.10	1.0	1.9	29.5	0.387		2060
70		9.80	1.1	2.0	34.0	0.268		2930
95		11.40		2.1	38.5	0.193		3970
120		12.90	1.2	2.3	43.0	0.153		4980
150		14.40	1.4	2.4	48.0	0.124		6130
185		15.90	1.6	2.6	53.0	0.0991		7660
240		18.30	1.7	2.8	59.5	0.0754		9960
300		20.50	1.8	3.0	66.0	0.0601		12380