

# N2XS2Y 6/10kV, 12/20kV, 18/30kV XLPE-insulated, Cu-conductor, single core, screened, PE-jacket



## 기술사항

- XLPE-절연형 전원용 케이블, DIN VDE 0276 part 620, HD 620 S1 및 IEC 60502 규격
- 온도범위  
설치 중 -20°C
- 가동시 온도  
최대 90°C
- 단락시 온도  
250°C(단락지속시간 5초 이하)
- 정격 전압  
U<sub>0</sub>/U 6/10kV, 12/20kV, 18/30kV
- 가동 전압  
6/10kV 시 = 12kV이하  
12/20kV = 24kV이하  
18/30kV = 36kV이하
- 시험 전압  
6/10kV 시 = 15kV  
12/20kV = 30kV  
18/30kV = 45kV
- 최소 곡률 반경  
설치 중 15 × cable ø
- Power rating 표  
Technical Information 참조

## 케이블 구조

- 원형 나동 연선 도체, HD383규격
- 내부 반전도성 내피
- Cross-linked Polyethylene (XLPE)의 코어 절연체, HD620.1 규격의 PE 화합물 DIX8
- 반전도성 피복과 절연체 결합의 외부 성형
- 전도성 물질의 테이프
- 하나의 구리선 또는 두개의 나선형 테이프 쉴드
- 내부 피복 또는 테이프 랩
- PE외피, HD620.1규격의 화합물형 DMP2, 흑색
- 설치시 주의사항  
성형 반전도성 층의 최적 작동 신뢰성은 장시간 절연체의 결합을 보장함, 따라서 피복제거시 적절한 피복 제거 장비를 사용할 것.

## 용도

- 주로 실내, 케이블관, 옥외, 지하 및 수중의 발전소 설치에 적합할 뿐만 아니라 산업, 배전반 및 발전소의 케이블 트레이의 설치에도 적합함.
- 우수한 층 특성으로 인하여 설치가 어려운 라인 가이드웨이의 설치가 쉬움.
- PE 외피는 난연성이 아님
- DIN VDE 0298 part 1 규격 참조.
- 외부의 간섭 영향을 막기 위해, 도체와 XLPE 절연체 사이 및 XLPE 절연체와 동심원 구리도체 사이에 부분적 방전의 저항을 보장하는 접착성 반전도성 층이 성형되어 있음.

Part No.	No.cores x cross-sec. mm <sup>2</sup>	Operation voltage max.	Nominal voltage kV	Insulation thickness mm	Jacket thickness mm	Outer ø min - max mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	
32480	1 x 35	rm / 16	12	6 / 10	3,4	2,5	23,0 - 28,0	518,0	910,0	2
32481	1 x 50	rm / 16	12	6 / 10	3,4	2,5	24,0 - 29,0	662,0	990,0	1
32482	1 x 70	rm / 16	12	6 / 10	3,4	2,5	26,0 - 31,0	860,0	1205,0	2/0
32483	1 x 95	rm / 16	12	6 / 10	3,4	2,5	27,0 - 32,0	1098,0	1520,0	3/0
32484	1 x 120	rm / 16	12	6 / 10	3,4	2,5	29,0 - 34,0	1340,0	1760,0	4/0
32485	1 x 150	rm / 16	12	6 / 10	3,4	2,5	30,0 - 35,0	1622,0	2020,0	300 kcmil
32486	1 x 150	rm / 25	12	6 / 10	3,4	2,5	30,0 - 35,0	1725,0	2130,0	300 kcmil
32487	1 x 185	rm / 16	12	6 / 10	3,4	2,5	32,0 - 37,0	1958,0	2360,0	350 kcmil
32488	1 x 185	rm / 25	12	6 / 10	3,4	2,5	32,0 - 37,0	2059,0	2470,0	350 kcmil
32489	1 x 240	rm / 16	12	6 / 10	3,4	2,5	34,0 - 39,0	2486,0	2960,0	500 kcmil
32490	1 x 240	rm / 25	12	6 / 10	3,4	2,5	34,0 - 39,0	2587,0	3020,0	500 kcmil
32491	1 x 300	rm / 25	12	6 / 10	3,4	2,5	36,0 - 41,0	3163,0	3630,0	600 kcmil
32492	1 x 400	rm / 35	12	6 / 10	3,4	2,5	40,0 - 45,0	4234,0	4560,0	750 kcmil
32493	1 x 500	rm / 35	12	6 / 10	3,4	2,5	43,0 - 48,0	5194,0	5580,0	1000 kcmil
32494	1 x 35	rm / 16	24	12 / 20	5,5	2,5	27,0 - 28,0	518,0	960,0	2
32495	1 x 50	rm / 16	24	12 / 20	5,5	2,5	28,0 - 29,0	662,0	1160,0	1
32496	1 x 70	rm / 16	24	12 / 20	5,5	2,5	30,0 - 31,0	854,0	1410,0	2/0
32497	1 x 95	rm / 16	24	12 / 20	5,5	2,5	31,0 - 32,0	1094,0	1670,0	3/0
32498	1 x 120	rm / 16	24	12 / 20	5,5	2,5	33,0 - 34,0	1334,0	1960,0	4/0
32500	1 x 150	rm / 25	24	12 / 20	5,5	2,5	34,0 - 35,0	1723,0	2310,0	300 kcmil
32499	1 x 150	rm / 16	24	12 / 20	5,5	2,5	34,0 - 35,0	1622,0	2220,0	300 kcmil
32502	1 x 185	rm / 25	24	12 / 20	5,5	2,5	36,0 - 37,0	2059,0	2670,0	350 kcmil
32501	1 x 185	rm / 16	24	12 / 20	5,5	2,5	36,0 - 37,0	1958,0	2620,0	350 kcmil
32504	1 x 240	rm / 25	24	12 / 20	5,5	2,5	39,0 - 39,0	2587,0	3270,0	500 kcmil
32503	1 x 240	rm / 16	24	12 / 20	5,5	2,5	39,0 - 39,0	2486,0	3160,0	500 kcmil
32505	1 x 300	rm / 25	24	12 / 20	5,5	2,5	41,0 - 41,0	3163,0	3880,0	600 kcmil
32506	1 x 400	rm / 35	24	12 / 20	5,5	2,5	44,0 - 45,0	4234,0	4820,0	750 kcmil
32507	1 x 500	rm / 35	24	12 / 20	5,5	2,5	47,0 - 48,0	5194,0	5860,0	1000 kcmil

Dimensions and specifications may be changed without prior notice.

Continuation ▶

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Part No.	No. cores x cross-sec. mm <sup>2</sup>	Operation voltage max.	Nominal voltage kV	Insulation thickness mm	Jacket thickness mm	Outer ø min - max mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	
32508	1 x 50	rm / 16	36	18 / 30	8,0	2,5	33,0 - 38,0	662,0	1410,0	1
32509	1 x 70	rm / 16	36	18 / 30	8,0	2,5	35,0 - 40,0	854,0	1660,0	2/0
32510	1 x 95	rm / 16	36	18 / 30	8,0	2,5	36,0 - 41,0	1094,0	1970,0	3/0
32511	1 x 120	rm / 16	36	18 / 30	8,0	2,5	38,0 - 43,0	1334,0	2220,0	4/0
32512	1 x 150	rm / 25	36	18 / 30	8,0	2,5	39,0 - 44,0	1723,0	2650,0	300 kcmil
32513	1 x 185	rm / 25	36	18 / 30	8,0	2,5	41,0 - 46,0	2059,0	2980,0	350 kcmil
32514	1 x 240	rm / 25	36	18 / 30	8,0	2,5	43,0 - 48,0	2587,0	3570,0	500 kcmil
32515	1 x 300	rm / 25	36	18 / 30	8,0	2,5	46,0 - 51,0	3163,0	4220,0	600 kcmil
32516	1 x 400	rm / 35	36	18 / 30	8,0	2,5	49,0 - 54,0	4234,0	5170,0	750 kcmil
32517	1 x 500	rm / 35	36	18 / 30	8,0	2,5	52,0 - 57,0	5194,0	6260,0	1000 kcmil

Dimensions and specifications may be changed without prior notice.

## Drag and guidance chains

EFK Series open:

10.1 / 14 / 18.1 / 18.2 / 35 / 3000 / 44 / 52.2 / 62.2

EFK Series closed: 25G / 36G

Chain brackets / separators

Filing systems / insertion aid

Assembly instruction

Selection table / Cables in drag chains



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