

KABTEK N2XRH CE

Teknik Veriler / Technical Data



Çalışma gerilimi
Operating voltage
0.6/1 kV



Çalışma sıcaklığı
Operating temperature
-30 ...+90°C



Kısa devre sıcaklığı Max.
Short-circuit temperature Max.
250°C



Alev iletmeme
Flame-retardant
(PVC and HFFR type)
IEC 60332-1-2 and
IEC 60332-3-24 Cat.C



Test gerilimi
Test voltage
4000 V



Referans standart
Reference standard
Enerji kabloları
VDE 0276 - 604 ve
kontrol kabloları
VDE 0276 - 627



Düşük duman yoğunluğu
Low smoke density
IEC 61034-1



Bükme yarıçap
Bending radius
Min. 15 x Ø



Halojeniz
Halogen-free
IEC 60754-1-2

N2XRH

0.6 / 1 kV



Kullanım Alanları

Bu kablolar mekanik darbelerin bulunmadığı bina içinde, yer altında, güç merkezlerinde ve endüstriyel tesislerde güç ve kontrol kablosu olarak kullanılır.

Applications

These cables are not mechanical effects in the building, underground, power centers and industrial facilities as power and control cables are used

Kablo Yapısı / Cable Structure

İletken	: Tavlı mono bakır tel (HD 383 S2 Class 1or Class 2)
Conductor	: Annealed solid copper wire (HD 383 S2 Class 1or Class 2)
İzolasyon	: XLPE bileşik (VDE 0276 - 604 / 2X1)
Insulation	: XLPE compound (VDE 0276 - 604 / 2X1)
Damar renkleri	: VDE 0293-308
Core identification	: VDE 0293-308
Büküm	: Katlar halinde bükülür
Lay-up	: In layers stranding
İç kılıf	: HFFR bileşik
Inner sheath	: HFFR compound
Zırh	: Galvanizli çelik tel
Armour	: Galvanized round steel wire
Dış kılıf	: HFFR bileşik (VDE 0207 - 24 / HM4)
Outer sheath	: HFFR compound (VDE 0207 - 24 / HM4)

Uygulanan Testler / Applied Tests

Yapısal boyut testleri	: DIN VDE 472 Teil 401, 402
Structural dimension tests	
Mekanik testler	: DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808
Mechanical tests	
Elektriksel testler	: DIN VDE 472 Teil 502, 504, 509, 510
Electrical tests	
Yangın performans testleri	: IEC 60332-1-2, IEC 60332-3-24 Cat.C, IEC 61034-1, IEC 60754-1-2
Fire performance tests	

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	İletken DC direnci (20C)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Conductor DC Resistance (ohm/km)	Cable Weight approx (kg/km)
1 x 10 rm	11,00	1,8300	275,26
1 x 16 rm	12,00	1,1500	356,48
1 x 25 rm	13,50	0,7270	484,86
1 x 35 rm	14,60	0,5240	602,53
1 x 50 rm	17,10	0,3870	871,83
1 x 70 rm	18,70	0,2680	1.116,11
1 x 95 rm	20,90	0,1930	1.449,64
1 x 120 rm	23,00	0,1530	1.827,87
1 x 150 rm	24,80	0,1240	2.180,37
1 x 185 rm	27,20	0,0991	2.634,03
1 x 240 rm	30,10	0,0754	3.296,02
1 x 300 rm	33,80	0,0601	4.227,16
1 x 400 rm	37,20	0,0470	5.229,81
1 x 500 rm	40,80	0,0366	6.421,98
1 x 630 rm	45,60	0,0283	8.264,03
2 x 1.5 re	13,20	12,1000	328,91

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	İletken DC direnci (20C)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Conductor DC Resistance (ohm/km)	Cable Weight approx (kg/km)
2 x 2.5 re	14,00	7,4100	379,47
2 x 4 re	16,50	4,6100	579,73
2 x 6 re	17,50	3,0800	664,95
2 x 1.5 rm	13,60	12,1000	345,11
2 x 2.5 rm	14,40	7,4100	400,46
2 x 4 rm	17,30	4,6100	628,98
2 x 6 rm	18,50	3,0800	734,23
2 x 10 rm	19,70	1,8300	872,76
2 x 16 rm	22,40	1,1500	1.204,21
2 x 25 rm	25,40	0,7270	1.592,35
2 x 35 rm	27,80	0,5240	1.942,32
2 x 50 rm	31,20	0,3870	2.470,69
2 x 70 rm	36,00	0,2680	3.410,51
2 x 95 rm	40,60	0,1930	4.369,71
2 x 120 rm	43,60	0,1530	5.121,33
2 x 150 rm	49,00	0,1240	6.541,10

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Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	İletken DC direnci (20C)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O,D approx (mm)	Conductor DC Resistance (ohm/km)	Cable Weight approx (kg/km)
2 x 185 rm	53,60	0,0991	7.852,20
2 x 240 rm	59,80	0,0754	9.784,27
2 x 300 rm	65,60	0,0601	11.804,70
2 x 400 rm	73,90	0,0470	15.302,45
3 x 1.5 re	13,70	12,1000	361,18
3 x 2.5 re	14,60	7,4100	422,61
3 x 4 re	17,20	4,6100	640,37
3 x 6 re	18,30	3,0800	754,45
3 x 1.5 rm	14,20	12,1000	385,01
3 x 2.5 rm	15,00	7,4100	443,88
3 x 4 rm	18,10	4,6100	704,18
3 x 6 rm	19,40	3,0800	829,30
3 x 10 rm	20,70	1,8300	1.002,97
3 x 16 rm	23,50	1,1500	1.396,80
3 x 25 rm	27,00	0,7270	1.901,86
3 x 35 rm	29,40	0,5240	2.327,72
3 x 50 rm	34,00	0,3870	3.191,80
3 x 70 rm	38,10	0,2680	4.124,08
3 x 95 rm	43,20	0,1930	5.358,39
3 x 120 rm	47,80	0,1530	6.761,75
3 x 150 rm	52,10	0,1240	8.055,39
3 x 185 rm	57,30	0,0991	9.729,86
3 x 240 rm	63,90	0,0754	12.207,11
3 x 300 rm	70,10	0,0601	14.767,97
3 x 400 rm	79,40	0,0470	19.253,20
3 x 10 + 6 rm	22,50	1,8300	1.211,00
3 x 16 + 10 rm	24,70	1,1500	1.576,32
3 x 25 + 16 rm	28,20	0,7270	2.116,25
3 x 35 + 16 rm	30,40	0,5240	2.533,80
3 x 50 + 25 rm	35,60	0,3870	3.564,80
3 x 70 + 35 rm	39,60	0,2680	4.543,57
3 x 95 + 50 rm	46,00	0,1930	6.281,44
3 x 120 + 70 rm	50,10	0,1530	7.606,28
3 x 150 + 70 rm	53,50	0,1240	8.765,73
3 x 185 + 95 rm	59,70	0,0991	10.824,03
3 x 240 + 120 rm	65,80	0,0754	13.384,86
3 x 300 + 150 rm	73,70	0,0601	17.037,68
3 x 400 + 185 rm	81,80	0,0470	21.077,33
4 x 1.5 re	14,50	12,1000	408,71
4 x 2.5 re	16,40	7,4100	576,81
4 x 4 re	18,30	4,6100	739,18
4 x 6 re	19,50	3,0800	874,33
4 x 1.5 rm	15,00	12,1000	433,34
4 x 2.5 rm	16,90	7,4100	614,08
4 x 4 rm	19,30	4,6100	809,54
4 x 6 rm	20,70	3,0800	956,66
4 x 10 rm	22,90	1,8300	1.292,75
4 x 16 rm	25,30	1,1500	1.667,69
4 x 25 rm	29,10	0,7270	2.271,80
4 x 35 rm	32,00	0,5240	2.831,63
4 x 50 rm	37,50	0,3870	3.935,60
4 x 70 rm		0,2680	5.035,17

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	İletken DC direnci (20C)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O,D approx (mm)	Conductor DC Resistance (ohm/km)	Cable Weight approx (kg/km)
4 x 95 rm	41,50	0,1930	7.053,06
4 x 120 rm	48,90	0,1530	8.332,12
4 x 150 rm	52,50	0,1240	9.938,18
4 x 185 rm	57,00	0,0991	12.109,13
4 x 240 rm	63,10	0,0754	15.178,46
4 x 300 rm	70,30	0,0601	19.431,53
4 x 400 rm	79,10	0,0470	24.001,59
4 x 10 + 6 rm	87,20	1,8300	1.432,17
4 x 16 + 10 rm	24,20	1,1500	1.879,48
4 x 25 + 16 rm	26,90	0,7270	2.547,14
4 x 35 + 16 rm	30,80	0,5240	3.284,38
4 x 50 + 25 rm	34,20	0,3870	4.343,30
4 x 70 + 35 rm	39,30	0,2680	5.549,91
4 x 95 + 50 rm	43,50	0,1930	7.767,83
4 x 120 + 70 rm	51,20	0,1530	9.303,22
4 x 150 + 70 rm	55,20	0,1240	10.905,57
4 x 185 + 95 rm	59,70	0,0991	13.344,77
4 x 240 + 120 rm	66,10	0,0754	17.463,58
4 x 300 + 150 rm	74,60	0,0601	21.274,71
4 x 400 + 185 rm	82,40	0,0470	26.297,47
5 x 1.5 re	91,10	12,1000	552,71
5 x 2.5 re	16,20	7,4100	655,86
5 x 4 re	17,30	4,6100	846,31
5 x 6 re	19,50	3,0800	1.003,58
5 x 1.5 rm	20,80	12,1000	583,85
5 x 2.5 rm	16,80	7,4100	688,70
5 x 4 rm	17,90	4,6100	924,20
5 x 6 rm	20,60	3,0800	1.219,59
5 x 10 rm	22,90	1,8300	1.494,08
5 x 16 rm	24,50	1,1500	1.967,77
5 x 25 rm	27,40	0,7270	2.709,44
5 x 35 rm	31,70	0,5240	3.657,96
5 x 50 rm	36,20	0,3870	4.682,92
5 x 70 rm	40,70	0,2680	6.412,64
5 x 95 rm	46,50	0,1930	8.421,00
5 x 120 rm	53,20	0,1530	10.033,74
5 x 150 rm	57,40	0,1240	12.073,53
5 x 185 rm	62,80	0,0991	14.636,70
5 x 240 rm	69,20	0,0754	19.385,34
5 x 300 rm	79,00	0,0601	23.490,66
5 x 400 rm	86,70	0,0470	29.149,61
7 x 1.5 re	95,90	12,1000	623,53
7 x 2.5 re	17,10	7,4100	746,22
7 x 1.5 rm	18,30	12,1000	665,13
7 x 2.5 rm	17,70	7,4100	789,60
10 x 1.5 re	18,90	12,1000	750,58
10 x 2.5 re	18,60	7,4100	906,69
10 x 1.5 rm	20,00	12,1000	798,40
10 x 2.5 rm	19,30	7,4100	956,90
12 x 1.5 re	20,70	12,1000	851,84
12 x 2.5 re	19,80	7,4100	1.158,71
12 x 1.5 rm		12,1000	906,45