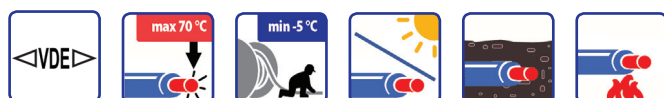


# XHP-48 N2XSy



**Primena:** Predviđen je za instalaciju u zemlji, vodi, zgradama, pod otvorenim nebom, zatvorenim prostorima i u kablovskim kanalima za elektrane, industriju i distributivne mreže. Dobre instalacione osobine čine instalaciju kabla jednostavnom čak i na teškim trasama. Po VDE 0276-603 kablovi moraju biti zaštićeni od direktnog sunčevog zračenja

**Application:** For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

Materijal provodnika:	Bakar		
Konstrukcija provodnika:	Klasa 2		
Izolacija:	XLPE DIX 8		
Materijal plašta:	PVC DMV 6		
Boja spoljnog plašta:	Crvena		
Otpornost na plamen:	VDE 0482-332-1-2/IEC 60332-1		
Maksimalna temperatura u provodniku:	90 °C		
Maksimalna temperatura tokom rada:	70 °C		
Dozvoljena temperatura tokom poleganja:	-5 - +70 °C		
Radius savijanja tokom rada:	15x Da		
Parcijalno pražnjenje:	2 pC		
Naponski nivoi:	XHP-48 6/10 kV	XHP-48 12/20 kV	XHP-48 18/30 kV
Nominalni naponski nivo U <sub>o</sub> :	6 kV	12 kV	18 kV
Nominalni naponski nivo U:	10 kV	20 kV	30 kV
Maksimalni dozvoljeni naponski nivo prilikom rada na trofaznoj struji:	12 kV	24 kV	36 kV
Ispitni naponski nivo:	21 kV	42 kV	63 kV

Conductor material:	Bare copper		
Conductor construction:	Class 2		
Insulation:	XLPE DIX 8		
Sheathing material:	PVC DMV 6		
Colour of outer sheath:	Red		
Flame retardant:	VDE 0482-332-1-2/IEC 60332-1		
Maximum temperature at conductor:	90 °C		
Max. operating emperature, fixed:	70 °C		
Temperature, moved/during installation:	-5 - +70 °C		
Bending radius, fixed install:	15x Da		
Partial discharge:	2 pC		
Voltage levels:	N2XSy 6/10 kV	N2XSy 12/20 kV	N2XSy 18/30 kV
Nominal voltage U <sub>o</sub> :	6 kV	12 kV	18 kV
Nominal voltage U:	10 kV	20 kV	30 kV
Maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
Test voltage:	21 kV	42 kV	63 kV

## XHP-48/ N2XSy 6/10 kV

Naziv kabla	Presek		DP	OP	DI	SOS	SOZ	SKS	RSP	DSP	Da	MKO	CU	T
Cable name	Cross section		mm	Ω/km	mm	A	A	kA	mm	mm	mm	N	kg/km	kg/km
N2XSy	1X35/16	RM	7,5	0,524	3,4	197	187	5	360	2,5	24	1750	518	920
N2XSy	1X50/16	RMv	8,6	0,387	3,4	236	220	7,15	375	2,5	25	2500	662	1100

Naziv kabla	Presek		DP	OP	DI	SOS	SOZ	SKS	RSP	DSP	Da	MKO	CU	T
Cable name	Cross section		mm	$\Omega/\text{km}$	mm	A	A	kA	mm	mm	mm	N	kg/km	kg/km
N2XS	1X70/16	RMv	10,2	0,268	3,4	294	268	10	405	2,5	27	3500	854	1300
N2XS	1X95/16	RMv	12	0,193	3,4	358	320	13,6	420	2,5	28	4750	1094	1600
N2XS	1X120/16	RMv	13,5	0,153	3,4	413	363	17,2	450	2,5	30	6000	1334	1850
N2XS	1X150/16	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1622	2050
N2XS	1X150/25	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1723	2200
N2XS	1X185/16	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	1958	2450
N2XS	1X185/25	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	2059	2550
N2XS	1X240/16	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2486	3000
N2XS	1X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2587	3150
N2XS	1X300/25	RMv	21,6	0,0601	3,4	722	591	42,9	555	2,5	37	15000	3163	3750
N2XS	1X400/35	RMv	24,6	0,047	3,4	827	662	57,2	615	2,5	41	20000	4234	4650
N2XS	1X500/35	RMv	27,6	0,0366	3,4	949	744	71,5	660	2,5	44	25000	5194	5700
N2XS	1X630/35	RMv	32,5	0,0283	3,4	1090	820	90,1	735	2,5	49	31500	6442	7090

**XHP-48/ N2XS 12/20 kV**

Naziv kabla	Presek		DP	OP	DI	SOS	SOZ	SKS	RSP	DSP	Da	MKO	CU	T
Cable name	Cross section		mm	$\Omega/\text{km}$	mm	A	A	kA	mm	mm	mm	N	kg/km	kg/km
N2XS	1X35/16	RM	7,5	0,524	5,5	200	189	5	420	2,5	28	1750	518	1100
N2XS	1X50/16	RMv	8,6	0,387	5,5	239	222	7,15	435	2,5	29	2500	662	1250
N2XS	1X70/16	RMv	10,2	0,268	5,5	297	271	10	465	2,5	31	3500	854	1500
N2XS	1X95/16	RMv	12	0,193	5,5	361	323	13,6	480	2,5	32	4750	1094	1800
N2XS	1X120/16	RMv	13,5	0,153	5,5	416	367	17,2	510	2,5	34	6000	1334	2050
N2XS	1X150/16	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1622	2300
N2XS	1X150/25	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1723	2400
N2XS	1X185/16	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	1958	2650
N2XS	1X185/25	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	2059	2800
N2XS	1X240/16	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2486	3250
N2XS	1X240/25	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2587	3400
N2XS	1X240/50	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2864	3499
N2XS	1X300/25	RMv	21,6	0,0601	5,5	724	599	42,9	630	2,5	42	15000	3163	4000
N2XS	1X400/35	RMv	24,6	0,047	5,5	829	671	57,2	675	2,5	45	20000	4234	4950
N2XS	1X500/35	RMv	27,6	0,0366	5,5	953	754	71,5	735	2,5	49	25000	5194	6050
N2XS	1X630/35	RMv	32,5	0,0283	5,5	1075	820	90,1	795	2,5	53	31500	6442	7090
N2XS	1X800/50	RMv	37,6	0,0221	5,5	1205	890	114,4	900	2,5	60	40000	8240	9249
N2XS	1X800/35	RMv	37,6	0,0221	5,5	1205	890	114,4	900	2,5	60	40000	8094	9032

**XHP-48/ N2XS 18/30 kV**

Naziv kabla	Presek		DP	OP	DI	SOS	SOZ	SKS	RSP	DSP	Da	MKO	CU	T
Cable name	Cross section		mm	$\Omega/\text{km}$	mm	A	A	kA	mm	mm	mm	N	kg/km	kg/km
N2XS	1X35/16	RM	7,5	0,524	8	202	191	5	495		33	1750	518	1350
N2XS	1X50/16	RMv	8,6	0,387	8	241	225	7,15	510	2,5	34	2500	662	1550
N2XS	1X70/16	RMv	10,2	0,268	8	299	274	10	540	2,5	36	3500	854	1750

Naziv kabla	Presek		DP	OP	DI	SOS	SOZ	SKS	RSP	DSP	Da	MKO	CU	T
Cable name	Cross section		mm	$\Omega/\text{km}$	mm	A	A	kA	mm	mm	mm	N	kg/km	kg/km
N2XSY	1X95/16	RMv	12	0,193	8	363	327	13,6	555	2,5	37	4750	1094	2050
N2XSY	1X120/16	RMv	13,5	0,153	8	418	371	17,2	585	2,5	39	6000	1334	2350
N2XSY	1X150/25	RMv	15	0,124	8	472	414	21,4	600	2,5	40	7500	1723	2700
N2XSY	1X185/25	RMv	16,8	0,0991	8	539	466	26,5	630	2,5	42	9250	2059	3100
N2XSY	1X240/25	RMv	19,2	0,0754	8	635	539	34,3	660	2,5	44	12000	2587	3700
N2XSY	1X300/25	RMv	21,6	0,0601	8	725	606	42,9	705	2,5	47	15000	3163	4350
N2XSY	1X400/35	RMv	24,6	0,047	8	831	680	57,2	750	2,5	50	20000	4234	5350
N2XSY	1X500/35	RMv	27,6	0,0366	8	953	765	71,5	795	2,5	53	25000	5194	6450
N2XSY	1X630/35	RMv	32,5	0,0283	8	1094	841	90,1		2,5		31500	6442	7833

**Objašnjenje oznaka**

<b>OP</b>	Otpor provodnika
<b>DP</b>	Dijametar provodnika
<b>DI</b>	Debljina izolacije
<b>SOS</b>	Strujna opteretljivost (spolja)
<b>SOZ</b>	Strujna opteretljivost (u zemlji)
<b>SKS</b>	Struja kratkog spoja
<b>RSP</b>	Radius savijanja tokom poleganja
<b>DSP</b>	Debljina spoljnog plašta
<b>Da</b>	Spoljni dijametar
<b>MKO</b>	Momenat kidanja prilikom poleganja
<b>Cu</b>	Težina bakra u kablu
<b>T</b>	Ukupna težina kabla

**Labels explanation**

<b>OP</b>	Conductor resistance
<b>DP</b>	Diameter of conductor
<b>DI</b>	Thickness of insulation
<b>SOS</b>	Ampacity (in air)
<b>SOZ</b>	Ampacity (in ground)
<b>SKS</b>	Short circuit current
<b>RSP</b>	Bending radius, fixed installation
<b>DSP</b>	Thickness of outer sheath
<b>Da</b>	Outer diameter
<b>MKO</b>	Tensile strength (during installation)
<b>Cu</b>	Copper weight
<b>T</b>	Total weight

