

# XLPE INSULATED LOW VOLTAGE POWER CABLES

N2XY

## CONSTRUCTION

- 1 Copper conductor (class1-2)
- 2 XLPE insulation
- 3 PVC filler
- 4 PVC outer sheath



## SPECIFICATIONS

Code : N2XY  
 Standards : VDE 0276 - 603  
 Rated Voltage :  $U_0/U=0.6/1$  kV

Application :  
 Used at illumination and energy networks as installation cables internally, externally or underground where there is no mechanical stress.



Temperature Range



Max. Operating Temperature



Short Circuit Temperature



Flame Retardant  
IEC 60332 -1-2



Min. Bending Radius



RoHS

## PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)			
					Earth		Air	
mm <sup>2</sup>	mm	kg/km	cm	Ω / km (max.)	A	A	A	A
1x4 re	7	73	60	4.61	82	54	57	44
1x6 re	8	95	60	3.08	102	67	72	56
1x10 rm	9	145	60	1.83	136	89	99	77
1x16 rm	10	205	70	1.15	176	115	131	102
1x25 rm	11	300	70	0.727	229	148	177	138
1x35 rm	12	390	80	0.524	275	177	217	170
1x50 rm	13	515	80	0.387	326	209	265	207
1x70 rm	15	710	90	0.268	400	256	336	263
1x95 rm	17	960	100	0.193	480	307	415	325
1x120 rm	19	1200	110	0.153	548	349	485	380
1x150 rm	21	1500	120	0.124	616	393	557	437
1x185 rm	23	1850	130	0.0991	698	445	646	507
1x240 rm	26	2380	140	0.0754	815	517	774	604
1x300 rm	28	3000	150	0.0601	927	663	901	697
1x400 rm	32	3800	160	0.0470	1064	749	1060	811
1x500 rm	36	4880	180	0.0366	1227	843	1252	940



## PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Standart delivery length	Delivery drum type	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)	
						Earth	Air
mm <sup>2</sup>	mm	kg/km	m	cm	Ω / km (max.)	A	A
2x1.5 re	10	125	1000	70	12.1	31	24
2x2.5 re	11	160	1000	70	7.41	40	32
2x4 re	12	210	1000	80	4.61	52	42
2x4 rm	12	230	1000	80	4.61	52	42
2x6 re	13	270	1000	80	3.08	64	53
2x6 rm	14	300	1000	90	3.08	64	53
2x10 rm	15	410	1000	90	1.83	86	74
2x16 rm	17	575	1000	100	1.15	112	98
2x25 rm	20	840	1000	120	0.727	145	133
2x35 rm	22	1100	1000	120	0.524	174	162
2x50 rm	25	1450	1000	140	0.387	206	197
3x1.5 re	10	150	1000	70	12.1	31	24
3x2.5 re	11	185	1000	70	7.41	40	32
3x4 re	12	250	1000	80	4.61	52	42
3x6 re	13	330	1000	80	3.08	64	53
3x10 rm	16	500	1000	100	1.83	86	74
3x16 rm	18	710	1000	110	1.15	112	98
3x25 rm	21	1050	1000	120	0.727	145	133
3x35 rm	24	1400	1000	130	0.524	174	162
3x50 rm	27	1850	1000	140	0.387	206	197
3x16/10 rm	20	830	1000	120	1.15	112	98
3x25/16 rm	23	1230	1000	130	0.727	145	133
3x35/16 rm	25	1550	1000	140	0.524	174	162
3x50/25 rm	28	2100	1000	150	0.387	206	197
3x70/35 rm	33	2930	1000	160	0.268	254	250
3x95/50 rm	37	3920	1000	180	0.193	305	308
3x120/70 rm	42	5020	500	160	0.153	348	359
3x150/70 rm	45	6020	500	160	0.124	392	412
3x185/95 rm	50	7550	500	200	0.0991	444	475
3x240/120 rm	57	9750	500	220	0.0754	517	564
3x300/150 rm	63	12300	500	220	0.0601	585	649
4x1.5 re	11	175	1000	70	12.1	31	24
4x2.5 re	12	225	1000	80	7.41	40	32
4x4 re	13	300	1000	80	4.61	52	42
4x4 rm	14	320	1000	90	4.61	52	42
4x6 re	14	400	1000	90	3.08	64	53
4x6 rm	15	430	1000	90	3.08	64	53
4x10 rm	18	620	1000	110	1.83	86	74
4x16 rm	20	905	1000	120	1.15	112	98
4x25 rm	23	1325	1000	130	0.727	145	133
4x35 rm	26	1760	1000	140	0.524	174	162
4x50 rm	30	2350	1000	150	0.387	206	197
4x70 rm	35	3320	1000	180	0.268	254	250
4x95 rm	39	4450	500	200	0.193	305	308
4x120 rm	43	5580	500	160	0.153	348	359
4x150 rm	48	6920	500	180	0.124	392	412
4x185 rm	53	8600	500	210	0.0991	444	475
4x240 rm	60	11150	500	220	0.0754	517	564
4x300 rm	67	14100	1000	240	0.0601	585	649
5x1.5 re	12	205	1000	80	12.1	31	24
5x2.5 re	13	275	1000	80	7.41	40	32
5x4 re	14	360	1000	90	4.61	52	42
5x4 rm	15	390	1000	90	4.61	52	42
5x6 re	16	480	1000	100	3.08	64	53
5x6 rm	17	515	1000	100	3.08	64	53
5x10 rm	19	760	1000	110	1.83	86	74
5x16 rm	22	1100	1000	120	1.15	112	98
5x25 rm	25	1630	1000	140	0.727	145	133

