NIEDERSPANNUNGSKABEL

N2X2Y



APPLICATION

The N2X2Y cable is an XLPE-insulated low-voltage cable with an HDPE sheath, developed for fixed installations under demanding conditions. It stands out for its high thermal endurance and is ideally suited for use in power distribution systems with increased safety requirements.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Fca
Maximal operating conductor temperature (°C)	90 °C	**Maximal short-circuit temperature (°C)**	250 °C
Minimal storage temperature (°C)	-35 °C	**Minimal temperature for laying (°C)**	-20 °C
Operating temperature range (°C)	-35-+90 °C	**Rated voltage (kV)**	0.6/1 kV
Self-extinguishing of single cable	no	**Test voltage (kV)**	4 kV

CONFIGURATIONS — 0.6/1 KV

Cores & CS	Cond.	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x10	Cu	RE	1.83	0.7	1.8	12xD	9	141
1x16	Cu	RE	1.15	0.7	1.8	12xD	10	200
1x25	Cu	RMV	0.727	0.9	1.8	12xD	12	301
1x35	Cu	RMV	0.524	0.9	1.8	12xD	13	397
1x50	Cu	RMV	0.387	1	1.8	12xD	14	520
1x70	Cu	RMV	0.268	1.1	1.8	12xD	16	725
1x95	Cu	RMV	0.193	1.1	1.8	12xD	18	972
1x120	Cu	RMV	0.153	1.2	1.8	12xD	20	1207
1x150	Cu	RMV	0.124	1.4	1.8	12xD	22	1488
1x240	Cu	RMV	0.0991	1.7	1.8	12xD	26	2388

1x300	Cu	RMV	0.0601	1.8	1.8	12xD	29	2964
1x400	Cu	RMV	0.047	2	1.9	12xD	32	3772
1x500	Cu	RMV	0.0366	2.2	2	12xD	36	4808
3x10	Cu	RE	1.83	0.7	1.8	12xD	17	529
3x16	Cu	RE	1.15	0.7	1.8	12xD	19	741
3x25	Cu	RMV	0.727	0.9	1.8	12xD	23	1122
3x35	Cu	RMV	0.524	0.9	1.8	12xD	26	1473
3x50	Cu	SM	0.387	1	1.8	12xD	26	1729
3x70	Cu	SM	0.268	1.1	1.9	12xD	30	2414
3x95	Cu	SM	0.193	1.1	2	12xD	33	3210
3x120	Cu	SM	0.153	1.2	2.1	12xD	37	3962
3x150	Cu	SM	0.124	1.4	2.3	12xD	41	4906
3x185	Cu	SM	0.0991	1.6	2.4	12xD	45	6047
3x240	Cu	SM	0.0754	1.7	2.6	12xD	51	7833
3x35+16	Cu	RMV/RE	0.524	0.9/0.7	1.8	12xD	26	1652
3x50+25	Cu	SM/RMV	0.387	1.0/0.9	1.8	12xD	29	2075
3x70+35	Cu	SM	0.268	1.1/0.9	1.9	12xD	32	2828
3x95+50	Cu	SM	0.193	1.1/1.0	2.1	12xD	37	3757
3x120+70	Cu	SM	0.153	1.2/1.1	2.2	12xD	40	4707
3x150+70	Cu	SM	0.124	1.4/1.1	2.3	12xD	45	5675
3x185+95	Cu	SM	0.0991	1.6/1.1	2.5	12xD	49	7071
3x240+120	Cu	SM	0.0754	1.7/1.2	2.7	12xD	56	9138
4x10	Cu	RE	1.83	0.7	1.8	12xD	18	642
4x16	Cu	RE	1.15	0.7	1.8	12xD	21	910
4x25	Cu	RMV	0.727	0.9	1.8	12xD	25	1391
4x35	Cu	RMV	0.524	0.9	1.8	12xD	28	1834
4x50	Cu	SM	0.387	1	1.9	12xD	29	2255
4x70	Cu	SM	0.268	1.1	2	12xD	33	3158
4x95	Cu	SM	0.193	1.1	2.1	12xD	37	4200
4x120	Cu	SM	0.153	1.2	2.3	12xD	41	5259
4x150	Cu	SM	0.124	1.4	2.4	12xD	46	6439
4x185	Cu	SM	0.0991	1.6	2.6	12xD	51	7967
4x240	Cu	SM	0.0754	1.7	2.8	12xD	57	10324
5x10	Cu	RE	1.83	0.7	1.8	12xD	20	767
5x16	Cu	RE	1.15	0.7	1.8	12xD	22	1100
5x25	Cu	RMV	0.727	0.9	1.8	12xD	27	1676
5x35	Cu	RMV	0.524	0.9	1.8	12xD	31	2266
5x50	Cu	SM	0.387	1	2	12xD	33	2877
5x70	Cu	SM	0.268	1.1	2.1	12xD	38	3979
5x95	Cu	SM	0.193	1.1	2.3	12xD	42	5342
5x120	Cu	SM	0.153	1.2	2.4	12xD	47	6625