NIEDERSPANNUNGSKABEL

N2XY



APPLICATION

The N2XY cable is an unarmoured low-voltage cable for power and control applications up to 0.6/1 kV. It is suitable for fixed installation in buildings, outdoors, in humid environments, and for direct burial - wherever no special mechanical stresses occur.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Eca
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)**	-5 °C
Operating temperature range (°C)	-35-+90 °C	**Rated voltage (kV)**	0.6/1 kV
Self-extinguishing of single cable	IEC 60332-1-2	**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	166
1x16	Cu	RE	1.15	0.7	1.8	12xD	10	229
1x25	Cu	RMV	0.727	0.9	1.8	12xD	12	336
1x35	Cu	RMV	0.524	0.9	1.8	12xD	13	436
1x50	Cu	RMV	0.387	1	1.8	12xD	14	562
1x70	Cu	RMV	0.268	1.1	1.8	12xD	16	774
1x95	Cu	RMV	0.193	1.1	1.8	12xD	18	1027
1x120	Cu	RMV	0.153	1.2	1.8	12xD	20	1267
1x150	Cu	RMV	0.124	1.4	1.8	12xD	22	1555
1x185	Cu	RMV	0.0991	1.6	1.8	12xD	24	1922

1x240	Cu	RMV	0.0754	1.7	1.8	12xD	26	2471
1x300	Cu	RMV	0.0601	1.8	1.8	12xD	29	3055
1x400	Cu	RMV	0.047	2	1.9	12xD	32	3880
1x500	Cu	RMV	0.0366	2.2	2	12xD	36	4938
3x10	Cu	RE	1.83	0.7	1.8	12xD	17	581
3x16	Cu	RE	1.15	0.7	1.8	12xD	19	800
3x25	Cu	RMV	0.727	0.9	1.8	12xD	23	1193
3x35	Cu	RMV	0.524	0.9	1.8	12xD	26	1553
3x50	Cu	SM	0.387	1	1.8	12xD	26	1815
3x70	Cu	SM	0.268	1.1	1.9	12xD	30	2519
3x95	Cu	SM	0.193	1.1	2	12xD	33	3319
3x120	Cu	SM	0.153	1.2	2.1	12xD	37	4089
3x150	Cu	SM	0.124	1.4	2.3	12xD	41	5077
3x185	Cu	SM	0.0991	1.6	2.4	12xD	45	6233
3x240	Cu	SM	0.0754	1.7	2.6	12xD	51	8067
3x25+16	Cu	RMV/RE	0.727	0.9/0.7	1.8	12xD	24	1357
3x35+16	Cu	SM/RE	0.524	0.9/0.7	1.8	12xD	26	1658
3x50+25	Cu	SM/RMV	0.387	1.0/0.9	1.8	12xD	29	2170
3x70+35	Cu	SM	0.268	1.1/0.9	1.9	12xD	32	2932
3x95+50	Cu	SM	0.193	1.1/1.0	2.1	12xD	37	3897
3x120+70	Cu	SM	0.153	1.2/1.1	2.2	12xD	40	4865
3x150+70	Cu	SM	0.124	1.4/1.1	2.3	12xD	45	5862
3x185+95	Cu	SM	0.0991	1.6/1.1	2.5	12xD	49	7293
3x240+120	Cu	SM	0.0754	1.7/1.2	2.7	12xD	56	9407
4x10	Cu	RE	1.83	0.7	1.8	12xD	18	698
4x16	Cu	RE	1.15	0.7	1.8	12xD	21	974
4x16	Cu	RMV	1.15	0.7	1.8	12xD	21	995
4x25	Cu	RMV	0.727	0.9	1.8	12xD	25	1469
4x35	Cu	SM	0.524	0.9	1.8	12xD	26	1818
4x50	Cu	SM	0.387	1	1.9	12xD	29	2354
4x70	Cu	SM	0.268	1.1	2	12xD	33	3268
4x95	Cu	SM	0.193	1.1	2.1	12xD	37	4341
4x120	Cu	SM	0.153	1.2	2.3	12xD	41	5429
4x150	Cu	SM	0.124	1.4	2.4	12xD	46	6637
4x185	Cu	SM	0.0991	1.6	2.6	12xD	51	8188
4x240	Cu	SM	0.0754	1.7	2.8	12xD	57	10609
5x10	Cu	RE	1.83	0.7	1.8	12xD	20	829
5x16	Cu	RE	1.15	0.7	1.8	12xD	22	1169
5x16	Cu	RMV	1.15	0.7	1.8	12xD	23	1188
5x25	Cu	RMV	0.727	0.9	1.8	12xD	27	1795
5x35	Cu	RMV	0.524	0.9	1.8	12xD	31	2363
5x50	Cu	RMV	0.387	1	2	12xD	35	3154
5x70	Cu	SM	0.268	1.1	2.1	12xD	38	4146

5x95	Cu	SM	0.193	1.1	2.3	12xD	42	5516
5x120	Cu	SM	0.153	1.2	2.4	12xD	47	6805