MITTELSPANNUNGSKABEL

N2XS2Y



APPLICATION

The N2XS2Y cable is a robust medium-voltage cable with a copper conductor, XLPE insulation, and a durable PE sheath. It ensures reliable power transmission even under high mechanical stress and demanding environmental conditions.

TECHNICAL DATA

CPR class	Fca	**Flame retardant**	no
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	**Shape of conductor**	RM

CONFIGURATIONS — 6/10 KV

Cores & CS	Cond.	Shape	Cap [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x35/16	Cu	RM	0.22	15.3	0.524	3.4	197	187	5	2.1	360	24	803
1x50/16	Cu	RM	0.24	16.3	0.387	3.4	238	220	7.1	2.1	375	25	928
1x70/16	Cu	RM	0.28	17.9	0.268	3.4	294	268	10	2.1	390	26	1154
1x95/16	Cu	RM	0.3	19.4	0.193	3.4	358	320	13.6	2.1	420	28	1410
1x120/16	Cu	RM	0.34	20.9	0.153	3.4	413	363	17.1	2.1	450	30	1682
1x150/25	Cu	RM	0.36	22.3	0.124	3.4	468	405	21.4	2.1	465	31	2025
1x185/25	Cu	RM	0.4	23.9	0.099	3.4	535	456	26.4	2.1	480	32	2383
1x240/25	Cu	RM	0.44	26.4	0.075	3.4	631	526	34.3	2.1	525	35	2965
1x300/25	Cu	RM	0.49	28.8	0.06	3.4	722	591	42.9	2.1	555	37	3624
1x400/35	Cu	RM	0.54	31.4	0.047	3.4	827	662	57.2	2.1	600	40	4574
1x500/35	Cu	RM	0.61	34.6	0.037	3.4	949	744	71.4	2.1	645	43	5597

CONFIGURATIONS — 12/20 KV

Cores & CS	Cond.	Shape	Cap [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x35/16	Cu	RM	0.16	19.5	0.524	5.5	200	189	5	2.1	420	28	948
1x50/16	Cu	RM	0.17	20.5	0.387	5.5	239	222	7.1	2.1	435	29	1078
1x70/16	Cu	RM	0.19	22.1	0.268	5.5	297	271	10	2.1	465	31	1315
1x95/16	Cu	RM	0.21	23.6	0.193	5.5	361	323	13.6	2.1	480	32	1579
1x120/16	Cu	RM	0.23	25.1	0.153	5.5	416	367	17.1	2.1	510	34	1861
1x150/25	Cu	RM	0.25	26.5	0.124	5.5	470	409	21.4	2.1	525	35	2212
1x185/25	Cu	RM	0.27	28.1	0.099	5.5	538	461	26.4	2.1	555	37	2585
1x240/25	Cu	RM	0.3	30.6	0.075	5.5	634	532	34.3	2.1	585	39	3181
1x300/25	Cu	RM	0.33	33	0.06	5.5	724	599	42.9	2.1	630	42	3763
1x400/35	Cu	RM	0.36	35.6	0.047	5.5	829	671	57.2	2.1	660	44	4795
1x500/35	Cu	RM	0.43	38.8	0.037	5.5	953	754	71.4	2.1	705	47	5872

CONFIGURATIONS — 18/30 KV

Cores & CS	Cond.	Shape	Cap [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x50/16	Cu	RM	0.13	25.5	0.387	8	241	225	7.1	2.1	510	34	1292
1x70/16	Cu	RM	0.15	27.1	0.268	8	299	274	10	2.1	540	36	1542
1x95/16	Cu	RM	0.16	28.6	0.193	8	363	327	13.6	2.1	555	37	1817
1x120/16	Cu	RM	0.17	30.1	0.153	8	418	371	17.1	2.1	585	39	2110
1x150/25	Cu	RM	0.19	31.5	0.124	8	472	414	21.4	2.1	600	40	2473
1x185/25	Cu	RM	0.2	33.1	0.099	8	539	466	26.4	2.1	630	42	2853
1x240/25	Cu	RM	0.22	35.6	0.075	8	635	539	34.3	2.1	660	44	3467
1x300/25	Cu	RM	0.24	38	0.06	8	725	606	42.9	2.1	705	47	4164
1x400/35	Cu	RM	0.26	40.6	0.047	8	831	680	57.2	2.1	735	49	5131
1x500/35	Cu	RM	0.29	43.8	0.037	8	953	765	71.4	2.4	795	53	6234