N2XS2Y

Mittelspannungskabel

No image available

TECHNICAL DATA

Al Foil
No

CE-Conformity
yes

Colour of insulation
uncoloured

Colour of sheath
black

Conductive tape below screen
Yes

Conductor
Copper

Copper wire screen and tape
Yes

CPR class
Fca

Flame retardant
no

Insulation
XLPE

Maximal operating conductor temperature (°C)
+90

Maximal short-circuit temperature (°C)
+250

Minimal storage temperature (°C)
-35

Minimal temperature for laying (°C)
-20

Non conducting tape above screen
Yes

Operating temperature range (°C)
-35-+90

Packaging
wooden or metal drums

Sheath
PE

N2XS2Y

CROSS-SECTION DATA — 6/10 kV

Voltage	Test voltage	Operating temperature range
6/10 kV	21 kV	-35-+90 °C
Conductor temperature (max.)	**Short-circuit temperature (max.)**	**Minimum laying temperature**
+90 °C	+250 °C	-20 °C
Minimum storage temperature	**CPR class**	**Flame retardant**
-35 °C	Fca	no

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

CROSS-SECTION DATA — 12/20 kV

Voltage	Test voltage	Operating temperature range
12/20 kV	42 kV	-35-+90 °C
Conductor temperature (max.)	**Short-circuit temperature (max.)**	**Minimum laying temperature**
+90 °C	+250 °C	-20 °C
Minimum storage temperature	**CPR class**	**Flame retardant**
-35 °C	Fca	no

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

CROSS-SECTION DATA — 18/30 kV

Voltage 18/30 kV	**Test voltage** 63 kV	**Operating temperature range** -35-+90 °C
Conductor temperature (max.) +90 °C	**Short-circuit temperature (max.)** +250 °C	**Minimum laying temperature** -20 °C
Minimum storage temperature -35 °C	**CPR class** Fca	**Flame retardant** no

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