



# N2XS(F)2Y

Mittelspannungskabel



## TECHNICAL DATA

<b>Al Foil</b>	No	<b>CE-Conformity</b>	yes
<b>Colour of insulation</b>	uncoloured	<b>Colour of sheath</b>	black
<b>Conductive tape below screen</b>	Yes	<b>Conductor</b>	Copper
<b>Copper wire screen and tape</b>	Yes	<b>CPR class</b>	Fca
<b>Flame retardant</b>	no	<b>Insulation</b>	XLPE
<b>Maximal operating conductor temperature (°C)</b>	+90	<b>Maximal short-circuit temperature (°C)</b>	+250
<b>Minimal storage temperature (°C)</b>	-35	<b>Minimal temperature for laying (°C)</b>	-20
<b>Minimum sheath thickness (mm)</b>	2.1	<b>Nominal insulation thickness (mm)</b>	5.5
<b>Non conducting tape above screen</b>	Yes	<b>Operating temperature range (°C)</b>	-35-+90
<b>Packaging</b>	wooden or metal drums	<b>Rated voltage (kV)</b>	12/20
<b>Sheath</b>	PE	<b>Test voltage (kV)</b>	42

## CROSS-SECTION DATA — 12/20 kV

<b>Voltage</b> 12/20 kV	<b>Test voltage</b> 42 kV	<b>Operating temperature range</b> -35-+90 °C
<b>Conductor temperature (max.)</b> +90 °C	<b>Short-circuit temperature (max.)</b> +250 °C	<b>Minimum laying temperature</b> -20 °C
<b>Minimum storage temperature</b> -35 °C	<b>CPR class</b> Fca	<b>Flame retardant</b> 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	0.16	19.5	0.524	5.5	200	189	5	2.1	420	28	949
1x50/16	Cu	0.17	20.5	0.387	5.5	239	222	7.1	2.1	435	29	1079
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	1580
1x120/16	Cu	0.23	25.1	0.153	5.5	416	367	17.1	2.1	510	34	1862
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	3851
1x400/35	Cu	0.36	35.6	0.047	5.5	829	671	57.2	2.1	660	44	4795
1x500/35	Cu	0.4	38.8	0.037	5.5	953	754	71.4	2.1	705	47	5873