



N2XS(F)2Y

Mittelspannungskabel



TECHNICAL DATA

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



CROSS-SECTION DATA — 12/20 kV

Voltage 12/20 kV	Test voltage 42 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]	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