MITTELSPANNUNGSKABEL

N2XS(F)2Y



APPLICATION

The N2XS(F)2Y cable is a longitudinally watertight medium-voltage cable with a copper conductor, XLPE insulation, and a durable PE sheath. It combines high electrical safety with a rugged outer layer, making it ideal for demanding grid operation applications.

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
Minimum sheath thickness (mm)	2.1 mm	**Nominal insulation thickness (mm)**	5.5 mm
Operating temperature range (°C)	-35-+90 °C	**Rated voltage (kV)**	12/20 kV
Shape of conductor	RM	**Test voltage (kV)**	42 kV

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	949
1x50/16	Cu	RM	0.17	20.5	0.387	5.5	239	222	7.1	2.1	435	29	1079
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	1580
1x120/16	Cu	RM	0.23	25.1	0.153	5.5	416	367	17.1	2.1	510	34	1862
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	3851
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	0.4	38.8	0.037	5.5	953	754	71.4	2.1	705	47	5873