



OBJECTS AND PASSION LE
 O FARMS
 USTRY THIS IS OUR
 RTNER IN THE LARGEST TELECO
 LEADING TECHNOLOGY
 DRIVING BUSINESS IN THE RENEA
 PROJECT IN AUSTRALIA'S HISTOR

NA2XS(F)2Y



12/20 kV

Description	Medium-voltage cables with XLPE insulation, PE outersheath
Rated voltage	12/20 kV
Type	NA2XS(F)2Y
Standard	DIN VDE 0276-620
Construction	Aluminium conductor, semiconductive conductor screen, XLPE insulation, semiconductive insulation screen, swellable bedding, copper wire screen with copper counter helix, swellable tape, PE sheath
Available colours	black
Example for marking	NA2XS(F)2Y 1x240RM/25 12/20 kV
Max. operating temperature of conductor	90°C
Max. operating temperature of conductor at short-circuit	250°C
Leadfree	
Halogen-free	
UV resistant	
Minimum installation temperature	-20°C (2Y)
Application	Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.
Bending radius (min.)	15 D
Test voltage (AC)	42 kV

No. of cores	×	Cross-section [mm ²]	Conductor structure	Conductor screen [mm ²]	Nominal outer diameter [mm]	Diameter over insulation [mm]	Approx. weight [kg/km]	Conductor DC resistance at 20°C [ohm/km]	Metal variation No. (Al) [kg/km]	Metal variation No. (Cu) [kg/km]	Current carrying capacity in ground [A]	Current carrying capacity in air [A]	Capacitance [mikroF/m]	Inductance [mH/km]	Delivery length [m]
MAXSFZY 12 / 20 kV															
1	×	70	RM	16	31,0	21,9	865	0,443	203	182	211	229	0,19	0,43	1000
1	×	95	RM	16	32,6	23,6	978	0,32	276	182	252	278	0,21	0,41	1000
1	×	120	RM	16	34,1	25,0	1084	0,253	348	182	287	320	0,23	0,39	1000
1	×	150	RM	25	35,4	26,4	1279	0,206	435	283	320	363	0,25	0,38	1000
1	×	185	RM	25	37,0	28,0	1422	0,164	537	283	362	415	0,27	0,37	1000
1	×	240	RM	25	39,4	30,4	1630	0,125	696	283	421	493	0,30	0,35	1000
1	×	300	RM	25	41,9	32,8	1871	0,1	870	283	474	563	0,33	0,34	1000
1	×	400	RM	35	44,6	35,5	2265	0,0778	1160	394	538	652	0,37	0,33	1000
1	×	500	RM	35	47,7	38,6	2666	0,0605	1450	394	606	746	0,40	0,32	1000
1	×	630	RM	35	51,3	42,2	3155	0,0469	1827	394	683	854	0,43	0,31	1000