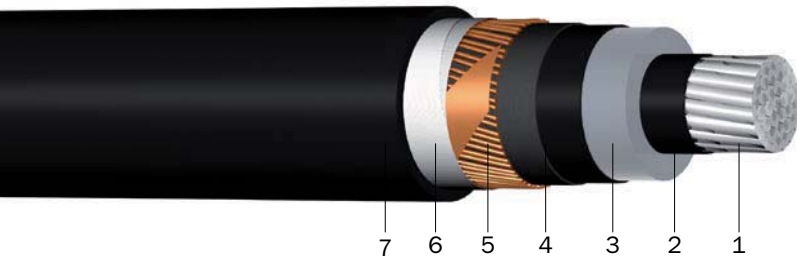


## NA2XS(F)2Y

Underground cable with XLPE insulation and HDPE sheath, longitudinally water-proof

### DESIGN



- 1 | Aluminium conductor; round stranded compressed (RM)
- 2 | Inner semi-conductive layer (conductive XLPE)
- 3 | Core insulation (XLPE)
- 4 | Outer semi-conductive layer (conductive XLPE), taped with a conductive tape
- 5 | Screen (bare copper wires) and counter helix (copper tape)
- 6 | Swelling tape under and over screen
- 7 | Sheath (HDPE black, UV-resistant)

### TECHNICAL DATA



**Standard:**  
DIN VDE 0276-620 (HD 620)



**Rated voltage:**  
6/10    12/20    18/30 kV



**Test voltage:**  
18    36    48 kV/50 Hz



**Temperature range:**  
 laying temperature:    min. -20 °C  
 operating temperature: -50 °C up to +90 °C  
 conductor temperature:    max. +90 °C  
 short-circuit temperature: max. +250 °C/5 s



**Bending radius (min.):**  
15 x Ø of cable

### APPLICATION

For fixed installation for high requirements in interior premises, in the ground subject to external effects of moisture, in the open air and in cable ducts for industrial and distribution mains – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

Number of cores x nominal cross section/cross section of screen (mm <sup>2</sup> )	Mutual capacitance (µF/km)	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>NA2XS(F)2Y 6/10 kV</b>							
1 x 35 RM/16	0.24	0.868	145	153	26.0	650	500 D, 1,000 D
1 x 50 RM/16	0.26	0.641	171	183	27.0	750	500 D, 1,000 D
1 x 70 RM/16	0.30	0.443	208	228	28.0	850	500 D, 1,000 D
1 x 95 RM/16	0.31	0.320	248	278	30.0	950	500 D, 1,000 D
1 x 120 RM/16	0.34	0.253	283	321	32.0	1,100	500 D, 1,000 D
1 x 150 RM/25	0.39	0.206	315	364	33.0	1,300	500 D, 1,000 D
1 x 185 RM/25	0.42	0.164	357	418	35.0	1,450	500 D, 1,000 D
1 x 240 RM/25	0.47	0.125	413	494	38.0	1,600	500 D, 1,000 D
1 x 300 RM/25	0.51	0.100	466	568	40.0	1,850	500 D, 1,000 D
1 x 400 RM/35	0.57	0.078	529	660	43.0	2,350	500 D, 1,000 D

## NA2XS(F)2Y

Number of cores x nominal cross section/cross section of screen (mm <sup>2</sup> )	Mutual capacitance (µF/km)	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
<b>NA2XS(F)2Y 12/20 kV</b>							
1 x 35 RM/16	0.16	0.868	146	155	30.0	850	500 D, 1,000 D
1 x 50 RM/16	0.18	0.641	172	185	31.0	900	500 D, 1,000 D
1 x 70 RM/16	0.20	0.443	210	231	33.0	1,050	500 D, 1,000 D
1 x 95 RM/16	0.22	0.320	251	280	35.0	1,150	500 D, 1,000 D
1 x 120 RM/16	0.24	0.253	285	323	36.0	1,300	500 D, 1,000 D
1 x 150 RM/25	0.26	0.206	319	366	37.0	1,500	500 D, 1,000 D
1 x 185 RM/25	0.27	0.164	361	420	39.0	1,650	500 D, 1,000 D
1 x 240 RM/25	0.31	0.125	417	496	42.0	1,850	500 D, 1,000 D
1 x 300 RM/25	0.33	0.100	471	569	44.0	2,100	500 D, 1,000 D
1 x 400 RM/35	0.37	0.078	535	660	47.0	2,550	500 D, 1,000 D
<b>NA2XS(F)2Y 18/30 kV</b>							
1 x 50 RM/16	0.14	0.641	174	187	36.0	1,150	500 D, 1,000 D
1 x 70 RM/16	0.15	0.443	213	232	38.0	1,300	500 D, 1,000 D
1 x 95 RM/16	0.17	0.320	254	282	40.0	1,450	500 D, 1,000 D
1 x 120 RM/16	0.18	0.253	289	325	41.0	1,550	500 D, 1,000 D
1 x 150 RM/25	0.19	0.206	322	367	42.0	1,800	500 D, 1,000 D
1 x 185 RM/25	0.21	0.164	364	421	44.0	1,950	500 D, 1,000 D
1 x 240 RM/25	0.23	0.125	422	496	47.0	2,200	500 D, 1,000 D
1 x 300 RM/25	0.25	0.100	476	568	49.0	2,500	500 D, 1,000 D
1 x 400 RM/35	0.27	0.078	541	659	52.0	3,000	500 D

1) basic rated current acc. to DIN VDE 0276-620 (HD 620)  
Subject to technical changes.