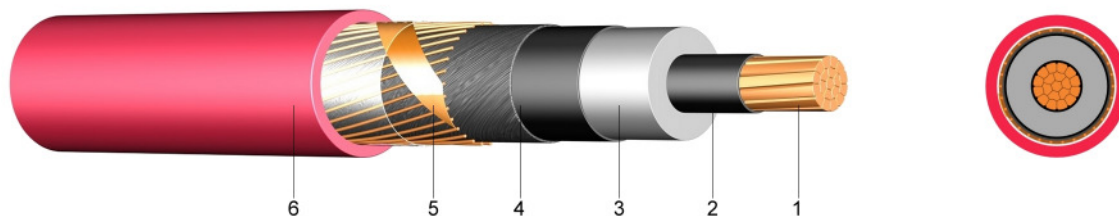


Datasheet N2XS Y

Version 1/2009

XLPE Insulated Single-Core Cable with PVC Outer Sheath

Application: To be laid directly in ground, outdoors, indoors and in cable ducts.



Construction:

- 1 stranded (RM) bare copper
- 2 inner layer of semi-conducting material
- 3 core insulation of cross-linked polyethylene
- 4 outer layer of semi-conducting material
- 5 screen of copper wires
- 6 outer sheath of polyvinylchloride (PVC), red

According to: DIN VDE 0276-620
HD 620 S1: 1995
DIN EN 60228 class 2 (construction)

Technical data:

Test voltage	6 / 10 kV	[kV]	21 / 5 min.
	12 / 20 kV	[kV]	42 / 5 min.
	18 / 30 kV	[kV]	63 / 5 min.
Temperature range	in motion		- 5 °C till +70 °C
	fixed		-20 °C till +70 °C
Operating temperature	short circuit	°C	250
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km	Current carrying capacity ground A*	Current carrying capacity air A*
6 / 10 kV						
1 x 35 RM/16	540	23	28	900	187	197
1 x 50 RM/16	690	24	29	1.050	220	236
1 x 70 RM/16	890	26	31	1.300	268	294
1 x 95 RM/16	1.140	27	32	1.600	320	358
1 x 120 RM/16	1.390	29	34	1.850	363	413
1 x 150 RM/25	1.795	30	35	2.200	405	468
1 x 185 RM/25	2.145	32	37	2.600	456	535
1 x 240 RM/25	2.695	34	39	3.150	526	631
1 x 300 RM/25	3.295	36	40	3.750	591	722
1 x 400 RM/35	4.410	40	45	4.650	662	827
1 x 500 RM/35	5.410	43	47	5.750	739	921

Datasheet

Version 1/2009

Number of cores and nominal cross section mm ²	Copper figure	Overall diameter	Overall diameter	Weight	Current carrying capacity ground A*	Current carrying capacity air A*
	kg/km	appr. mm	max. value appr. mm	appr. kg / km		
12 / 20 kV						
1 x 35 RM/16	540	27	32	1.100	189	200
1 x 50 RM/16	690	28	33	1.250	222	239
1 x 70 RM/16	890	30	35	1.450	271	297
1 x 95 RM/16	1.140	31	36	1.750	323	361
1 x 120 RM/16	1.390	33	38	2.050	367	416
1 x 150 RM/25	1.795	34	39	2.400	409	470
1 x 185 RM/25	2.145	36	41	2.800	461	538
1 x 240 RM/25	2.695	39	44	3.400	532	634
1 x 300 RM/25	3.295	41	46	4.000	599	724
1 x 400 RM/35	4.410	44	49	4.950	671	829
1 x 500 RM/35	5.410	47	52	6.050	754	953

Number of cores and nominal cross section mm ²	Copper figure	Overall diameter	Overall diameter	Weight	Current carrying capacity ground A*	Current carrying capacity air A*
	kg/km	appr. mm	max. value appr. mm	appr. kg / km		
18 / 30 kV						
1 x 50 RM/16	690	33	38	1.450	225	241
1 x 70 RM/16	890	35	40	1.700	274	299
1 x 95 RM/16	1.140	36	41	2.050	327	363
1 x 120 RM/16	1.390	38	43	2.300	371	418
1 x 150 RM/25	1.795	39	44	2.700	414	472
1 x 185 RM/25	2.145	41	46	3.100	466	539
1 x 240 RM/25	2.695	43	48	3.700	539	635
1 x 300 RM/25	3.295	46	51	4.350	606	725
1 x 400 RM/35	4.410	49	54	5.300	680	831
1 x 500 RM/35	5.410	52	57	6.450	765	953

* trefoil touching arrangement