

## N2XS2Y

PE medium voltage cable with copper conductor

N2XS2Y, VDE, PE medium voltage cable acc. VDE 0276-620, with copper conductor, for fixed installation

### Info

3 voltage classes: 6/10 kV, 12/20 kV, 18/30 kV

With copper conductor



UV-resistant



Mechanical resistance



Suitable for outdoor use

### Application range

Power and control cable for fixed installation in the following applications:

In water, in ground, outdoors and indoors

In cable trays for power stations, industry, and distribution networks

Burial without additional, suitable underground protection according to HD 620/VDE 0276-620 - Part 10-C (point 4): normal minimum installation depth 0.6 m, but at least 0.8 m under roads

### Product features

Suitable for installation or operation under high mechanical stress due to the PE-sheath

Current rating according to HD 620/VDE 0276-620, Part 10-C, Table 7 (buried at +20 °C ground temperature according to HD 620/VDE 0276-620, Part 10-C, point 5) for routing underground and Table 8 (in the air at an air temperature of +30 °C according to HD 620/VDE 0276-620, Part 10-C, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

### Norm references / Approvals

HD 620/ VDE 0276-620

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## N2XS2Y

### Product Make-up

Copper conductor

Abbreviation "rm":

r = round conductor form;

m = multi-wire conductor

Core insulation: Cross-linked Polyethylen (XLPE)

Screen made of copper wires with one or two copper bond counter spiral

Outer sheath: PE, black

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001140 ETIM 5.0 Class-Description: Medium voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001140 ETIM 6.0 Class-Description: Medium voltage power cable
Conductor stranding:	Multi-wire
Minimum bending radius:	Fixed installation: 15 x outer diameter
Nominal voltage:	$U_0/U$ : 6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	Depending on nominal voltage: 6/10 kV: 15 kV 12/20 kV: 30 kV 18/30 kV: 45 kV
Temperature range:	During installation: -20°C to +50°C Fixed installation: -40°C to +90°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Aluminium price basis: excludes aluminium. Refer to catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index".

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

**N2XS2Y**

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
6/10 kV				
38107786	1x35 RM/16	24	518	770
38001000	1X50 RM/16	25	662	900
1552070	1X70 RM/16	26	854	1123
38107787	1x70 RM/50	27	1232	1450
38107788	1x95 RM/16	28	1094	1384
38107789	1x120 RM/16	30	1334	1623
38107029	1X150 RM/25	31	1723	1966
38107790	1x185 RM/25	33	2059	2335
1550067	1X240 RM/25	35	2587	2885
38107791	1x300 RM/25	37	3163	3480
38107792	1x400 RM/35	41	4234	4381
38107793	1x500 RM/35	43	5194	5382
12/20 kV				
1552068	1X35 RM/16	28	518	914
1552069	1X50 RM/16	29	662	1049
1552041	1X70 RM/16	31	854	1289
3828017	1X95 RM/16	32	1094	1554
38107794	1x120 RM/16	34	1334	1802
1552047	1X150 RM/25	35	1723	2153
38107795	1x185 RM/25	37	2059	2533
38107796	1x240 RM/25	39	2587	3096
38107797	1x300 RM/25	42	3163	3705
38107798	1x300 RM/35	42	3274	3800
38107799	1x400 RM/35	44	4234	4519
38107800	1x500 RM/35	47	5194	5647
38107801	1x630 RM/35	51	6442	7049
18/30 kV				
3036224	1X50 RM/16	34	662	1260
38107802	1x70 RM/16	36	854	1656
38107803	1x95 RM/16	37	1094	1789
38107804	1x120 RM/16	39	1334	2048
38107805	1x150 RM/25	40	1723	2409
3028167	1X185 RM/25	42	2059	2802

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 PN 0456 / 02\_03\_16

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
38107806	1x240 RM/25	44	2587	3382
38107807	1x300 RM/25	47	3163	4009
38107808	1x400 RM/35	50	4234	4934
38107809	1x500 RM/35	53	5194	6009
38107810	1x630 RM/35	56	6442	7423

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PN 0456 / 02\_03\_16