N2XSY

PVC medium voltage cable with copper conductor

N2XSY, VDE, PVC medium voltage cable acc. VDE 0276-620, with copper conductor, for fixed installation

Info
3 voltage classes: 6/10 (12) kV, 12/20 (24) kV, 18/30 (36) kV
With copper conductor

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
Flame-retardant according IEC 60332-1-2
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

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: PVC, red

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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 (12) kV, 12/20 (24) kV, 18/30 (36) 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: -5 °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
* Trade product, no Lapp product
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.

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PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
6/10 (12) kV				
3037523	1X35 RM/16	24	518	867
3022192	1X50 RM/16	25	662	1001
38007455	1X70 RM/16	26	854	1232
3037524	1X95 RM/16	28	1094	1500
38101056	1X120 RM/16	30	1334	1746
1550537	1X150 RM/25	31	1723	2095
38007456	1X185 RM/25	33	2059	2472
1550538	1X240 RM/25	35	2587	3032
38100269	1X300 RM/25	37	3163	3637
38101815	1X400 RM/35	40	4234	4535
38101814	1X500 RM/35	43	5194	5566
38107775	1x630 RM/35	47	6442	6935
12/20 (24) kV				
1552067	1X35 RM/16	28	518	1030
1552040	1X50 RM/16	29	662	1169
38300006	1X70 RM/16	31	854	1410
3801425	1X95 RM/16	32	1094	1689
38100617	1X120 RM/16	34	1334	1944
1550554	1X150 RM/25	35	1723	2301
38107776	1x185 RM/25	37	2059	2689
38300015	1X240 RM/25	39	2587	3262
38300017	1X300 RM/25	42	3163	3882
38101817	1X400 RM/35	44	4234	4797
38101816	1X500 RM/35	47	5194	5850
38107777	1x630 RM/35	51	6442	7237
38107778	1x800 RM/35	56	8074	9058
18/30 (36) kV				
38107779	1x35 RM/16	24	518	770
38300014	1X50 RM/16	34	662	1403
38107780	1x70 RM/16	36	854	1656
38801995	1X95 RM/16	37	1094	1947
38300009	1X120 RM/16	39	1334	2213
38107781	1x150 RM/25	40	1723	2580

Last Update (09.10.2025)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
38107782	1x185 RM/25	42	2059	2980
38106711	1X240 RM/25	44	2587	3570
38107783	1x300 RM/25	47	3163	4208
38107784	1x400 RM/35	50	4234	5147
38107785	1x500 RM/35	53	5194	6244

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