

NA2XS2Y

PE medium voltage cable with aluminium conductor

NA2XS2Y, VDE, PE medium voltage cable acc. VDE 0276-620, with aluminium conductor, for fixed installation

Info

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

With aluminium conductor



Suitable for outdoor use



Mechanical resistance



UV-resistant

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

Last Update (23.04.2024)

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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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Product Make-up

Aluminium 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 (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: -40 °C to +70 °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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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
6/10 (12) kV				
38107886	1x50 RM/16	25	182	617
38107887	1x70 RM/16	26	182	701
38107888	1x95 RM/16	28	182	805
38107889	1x120 RM/16	30	182	900
32702886	1X150 RM/25	31	283	1081
38107890	1x185 RM/25	33	283	1215
32702885	1X240 RM/25	35	283	1414
38107891	1x300 RM/25	37	283	1614
38107892	1x400 RM/35	41	394	2022
38105313	1X500 RM/35	43	394	2367
38107893	1x630 RM/35	47	394	2815
12/20 (24) kV				
38107894	1x35 RM/16	28	182	700
32701312	1X50 RM/16	29	182	767
38107895	1x70 RM/16	31	182	860
38107896	1x70 RM/25	31	283	950
38000020	1X95 RM/16	32	182	974
1552075	1X120 RM/16	34	182	1078
30018695	1X150 RM/25	35	283	1267
38106595	1X185 RM/25	37	283	1412
38106519	1X240 RM/25	39	283	1625
38107897	1x300 RM/25	41	283	1839
3033789	1X400 RM/35	44	394	2224
38107898	1x500 RM/35	47	394	2597
1550993	1X630 RM/35	50	394	3281
1552072	1X800 RM/35	56	394	3983
18/30 (36) kV				
38107899	1x50 RM/16	34	182	980
38107900	1x70 RM/16	36	182	1083
38107901	1x95 RM/16	37	182	1209
38107902	1x120 RM/16	39	182	1324
38107903	1x150 RM/25	40	283	1522
38107904	1x185 RM/25	42	283	1680

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
38107905	1x240 RM/25	44	283	1910
38107906	1x300 RM/25	46	283	2141
38107907	1x400 RM/35	49	394	2547
38107908	1x500 RM/35	52	394	2956
38107909	1x630 RM/35	56	394	3465