NA2XS(FL)2Y

Longitudinally and transversely water-tight PE medium voltage cable with aluminium conductor

NA2XS(FL)2Y, VDE, PE medium voltage cable acc. VDE 0276-620, with aluminium conductor, longitudinally and transversely water-tight, 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

Waterproof

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
Also suitable for applications where longitudinal and transversal water propagation inside the cable should be avoided.
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

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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
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
longitudinally water-tight wrapping
Metal tape firmly connected with PE sheath
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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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				
38107624	1 x 120 RM/16	31	182	951
38107625	1 x 150 RM/25	32	283	1134
38107626	1 x 240 RM/25	36	283	1473
38107627	1 x 400 RM/35	41	394	2091
12/20 (24) kV				
38107628	1 x 70 RM/16	32	182	914
38107629	1 x 70 RM/25	32	283	1015
38107630	1 x 95 RM/25	34	283	1100
38107631	1 x 120 RM/16	35	182	1136
38106494	1 x 150 RM/25	36	283	1327
38107252	1 x 185 RM/25	38	283	1474
38107253	1 x 240 RM/25	40	283	1691
38107632	1 x 300 RM/25	42	283	1914
38106656	1 x 400 RM/35	45	394	2298
38107633	1 x 500 RM/35	48	394	2675
18/30 (36) kV				
38107634	1 x 70 RM/16	37	182	1144
38107635	1 x 95 RM/16	38	182	1273
38107636	1 x 120 RM/16	40	182	1389
38107637	1 x 150 RM/25	41	283	1590
38106590	1 x 185 RM/25	43	283	1750
38107638	1 x 240 RM/25	45	283	1984
38107639	1 x 300 RM/25	48	283	2225
38107640	1 x 400 RM/35	50	394	2629
38107641	1 x 500 RM/35	53	394	3042

Last Update (24.04.2024)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
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