NA2XY-J /-O 0,6/1 kV
EN 60332-1-2, IEC 60502-21

CE

Application:

This cable having very low dielectric loss is used indoor, in cable ducts and in industrial plants or switching stations where mechanical damage is not anticipated. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

Construction:

Conductors: • Aluminium, solid class 1 (RE), circular or circular compacted stranded conductor class 2 (RM), solid sector – shaped conductor class 1 (SE) or stranded sector – shaped conductor class 2 (SM) acc. to EN 60228

Insulation: • XLPE compound type DIX3 acc. to HD603-1

Inner covering: • filling compound

Sheath: • PVC compound type DMV5 acc. to HD 603-1, black

Technical properties:

Permissible operating temp. of conductor: • 90°C

Permissible short-circuit temp. up to 5 sec: • 250°C

# cores	NA2XY-J	NA2XY-O
1	green-yellow	black
2	green-yellow, black [1)]	blue, brown
3	green-yellow, blue, brown	brown, black, grey
3*		blue, brown, black
4	green-yellow, brown, black, grey	blue, brown, black, grey
4*	green-yellow, blue, brown, black	
5	green-yellow, blue, brown, black, grey	blue, brown, black, grey, black
7 and more	green-yellow, other cores black with numbering	black with white numbering

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Nominal Cross Section	Overall Diameter	Net Weight	Conductor DC Resistance (20°C) max.	Current Carrying Capacity in			
mm²	mm approximately	kg/km approximately	ohm/km	Ground (A)		Air (A)	
				●●●	⁂	●●●	⁂
1x16	8,7	105	1,910	-	-	-	-
1x25	10,9	154	1,200	-	-	-	-
1x35	12,1	195	0,868	164	137	163	131
1x50	13,8	250	0,641	195	163	200	161
1x70	15,5	325	0,443	238	201	254	205
1x95	17,7	434	0,320	284	240	313	253
1x120	19,6	521	0,253	323	274	366	296
1x150	21,7	640	0,206	361	308	420	341
1x185	24,1	785	0,164	408	350	486	395
1x240	27,2	1018	0,125	476	408	585	475
1x300	30,3	1249	0,100	537	462	675	548
2x10	14,4	292	3,080	-		-	
2x16	16,6	392	1,910	-		-	
2x25	21,0	608	1,200	111		100	
2x35	23,4	768	0,868	132		122	
2x50	27,0	1016	0,641	157		147	
3x10	15,4	338	3,080	-		-	
3x16	17,6	446	1,910	-		-	
3x25	22,3	768	1,200	111		100	
3x35	24,9	864	0,868	132		122	
3x50	28,8	1147	0,641	157		147	
3x70	32,7	1507	0,443	195		180	
3x95	37,3	1992	0,320	233		232	
3x120	41,2	2398	0,253	266		270	
3x150	46,0	2991	0,206	299		308	
3x185	51,2	3688	0,164	340		357	
3x240	50	3250	0,125	401		435	
3x300	55	4000	0,100	455		501	
3x400	72	6750	0,0778	526		592	
4x25	24,7	834	1,200	111		100	
4x35	27,5	1065	0,868	132		122	
4x50	31,9	1406	0,641	157		147	
4x70	36,4	1868	0,443	195		180	
4x95	41,4	2457	0,320	233		232	
4x120	45,7	2950	0,253	266		270	
4x150	52,0	3810	0,206	299		308	
4x185	57,7	4668	0,164	340		357	
4x240	65,6	6109	0,125	401		435	
4x300	72,9	7498	0,100	455		501	
5x16	23,1	738	1,910	-		-	

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5x25	26,9	992	1,200	111	100
5x35	30,4	1294	0,868	132	122
5x50	35,4	1734	0,641	157	147
5x70	40,3	2289	0,443	195	180
5x95	46,5	3097	0,320	233	501
3x10/10	19,5	401	3,08/3,08	-	-
3x16/16	23,9	562	1,91/1,91	-	-
3x25/16	26,5	785	1,2/1,91	111	100
3x35/16	31,0	982	0,868/1,91	132	122
3x50/25	34,9	1318	0,641/1,20	157	147
3x70/35	39,9	1703	0,443/0,868	195	180
3x95/50	44,5	2248	0,32/0,641	233	232
3x120/70	48,7	2774	0,253/0,443	266	270
3x150/70	54,7	3247	0,206/0,443	299	308
3x185/95	61,5	4180	0,164/0,320	340	357
3x240/120	68,5	5324	0,125/0,253	401	435
3x300/150	68,5	6626	0,100/0,206	445	501

Kürzel	Beschreibung	Einheit
NDD	Nenndurchmesser des Drahtes	mm
RI	Leiterwiderstand	Ω/km
Id_d	Isolationsdicke (Durchschnitt)	mm
Id_min	Isolationsdicke (Minimal)	mm
Md_d	Manteldicke Durchschnitt)	mm
Md_min	Manteldicke (Minimal)	mm
AD	Außendurchmesser Ø	mm
Al	Al-Zahl	kg/km
G	Kabelgewicht	kg

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