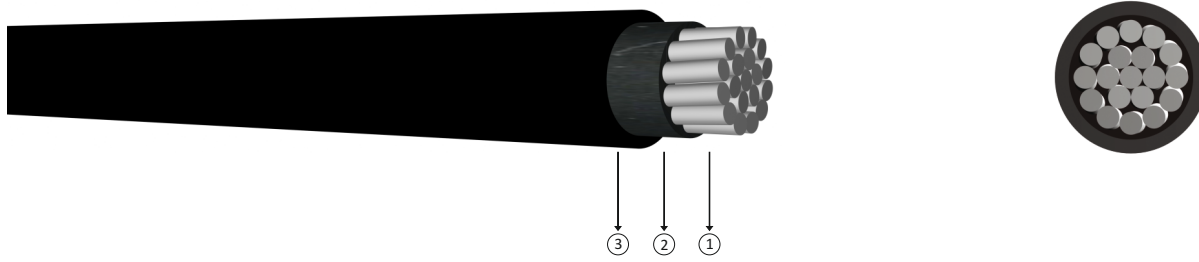


0.6 / 1 kV XLPE insulated single core cables with aluminium conductor



Code: YAXV-R, AL/XLPE/PVC, NA2XY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 0.6/1 kV
Min. bending radius	: 12 x D
D	: Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

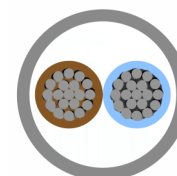
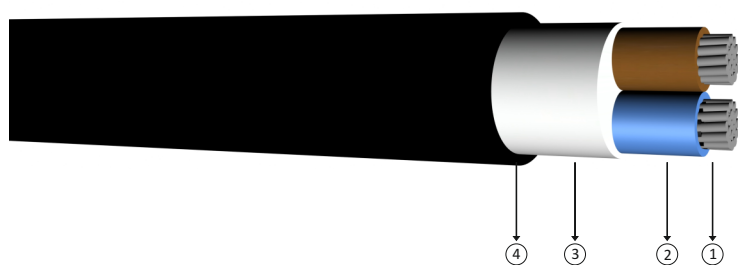
Construction

- 1 Stranded aluminium conductor
- 2 XLPE insulation
- 3 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES					
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)			
mm ²	mm	kg/km	m	ohm/km	Toprakta 20 °C		Havada 30 °C	
					***	**	***	**
1x25	10,5	150	1000	1,200	-	114	-	106
1x35	12,0	180	1000	0,868	164	137	163	131
1x50	13,5	250	1000	0,641	195	163	200	161
1x70	15,5	300	1000	0,443	238	201	254	205
1x95	17,0	400	1000	0,320	284	240	313	253
1x120	19,0	500	1000	0,253	323	274	366	296
1x150	21,0	600	1000	0,206	361	308	420	341
1x185	23,0	750	1000	0,164	408	348	486	395
1x240	26,0	950	1000	0,125	476	408	585	475
1x300	27,0	1150	1000	0,100	537	462	675	548
1x400	31,0	1450	1000	0,0778	616	531	798	647
1x500	35,0	1800	1000	0,0605	699	601	926	749

Note
 In ground : Current carrying capacities are valid under the following conditions;
 : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1

0.6 / 1 kV XLPE insulated multi-core cables with aluminium conductor



Code: YAXV-R, AL/XLPE/PVC, NA2XY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

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 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 0.6/1 kV
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 D : Cable outer diameter

Application

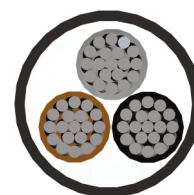
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Construction

- 1 Stranded aluminium conductor
- 2 XLPE insulation
- 3 Filler
- 4 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
2x25	21,5	600	1000	1,20	110	115
2x35	23,3	700	1000	0,868	130	140
2x50	25,8	900	1000	0,641	155	175
2x70	29,7	1200	1000	0,443	195	220
2x95	33,9	1550	1000	0,320	235	270

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1



Code: YAXV-R, AL/XLPE/PVC, NA2XY

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Standards: IEC 60502 - 1, VDE 0276 - 603

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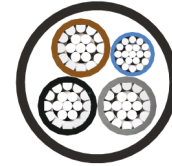
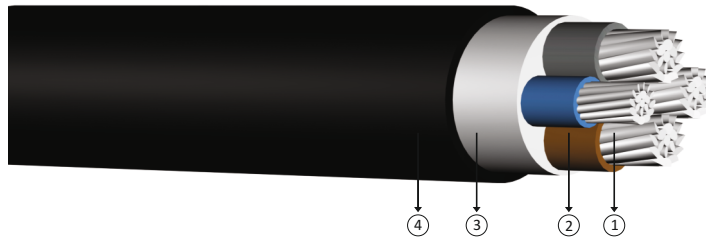
Construction

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DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25	22,5	650	1000	1,20	111	100
3x35	25,0	800	1000	0,868	132	122
3x50	28,5	1100	1000	0,641	157	147
3x70	33,0	1500	1000	0,443	195	189
3x95	37,0	1850	1000	0,320	233	232
3x120	41,0	2300	1000	0,253	266	270
3x150	46,0	2900	1000	0,206	299	308
3x185	50,5	3500	1000	0,164	340	357
3x240	57,0	4450	1000	0,125	401	435
3x300	62,5	5450	500	0,100	455	501
3x400	71,0	7100	500	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1

0.6 / 1 kV XLPE insulated multi-core cables with aluminium conductor



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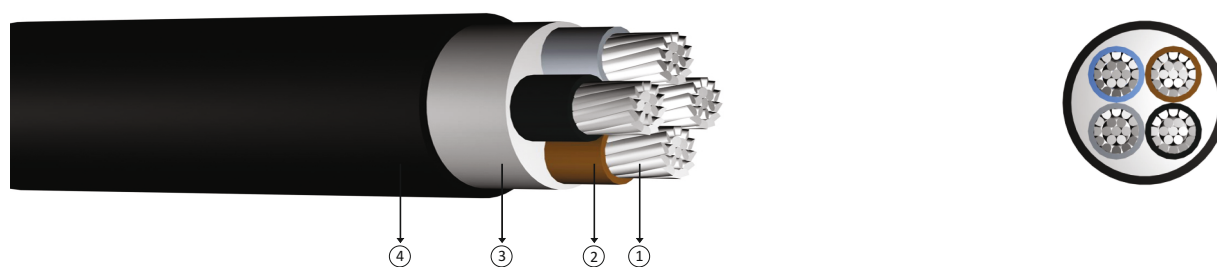
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DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25+16	23,5	750	1000	1,20	111	100
3x35+16	25,5	850	1000	0,868	132	122
3x50+25	30,0	1200	1000	0,641	157	147
3x70+35	34,5	1600	1000	0,443	195	189
3x95+50	39,0	2050	1000	0,320	233	232
3x120+70	43,0	2550	1000	0,253	266	270
3x150+70	47,5	3100	1000	0,206	299	308
3x185+95	52,5	3800	1000	0,164	340	357
3x240+120	59,0	4800	500	0,125	401	435
3x300+150	65,0	5900	500	0,100	455	501
3x400+185	73,5	7550	500	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1



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Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
4x25	24,5	800	1000	1,20	111	100
4x35	27,5	1000	1000	0,868	132	122
4x50	31,5	1350	1000	0,641	157	147
4x70	36,5	1800	1000	0,443	195	189
4x95	41,0	2300	1000	0,320	233	232
4x120	46,0	2900	1000	0,253	266	270
4x150	51,0	3550	1000	0,206	299	308
4x185	56,5	4350	1000	0,164	340	357
4x240	63,0	5550	500	0,125	401	435
4x300	69,5	6750	500	0,100	455	501
4x400	79,5	8900	500	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1