

Code: YAXZ3V-R, NA2XFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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 : 15 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 risk of mechanical damage.

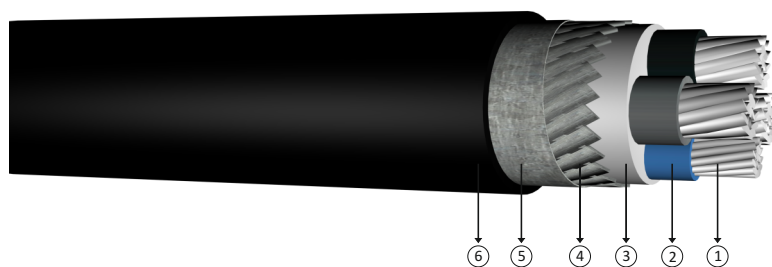
Construction

- 1 Stranded aluminium conductor
- 2 XLPE insulation
- 3 Filler
- 4 Galvanized flat steel wire
- 5 Galvanized steel binding tape
- 6 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
3x25	25,0	1150	1000	1,20	111	100
3x35	27,0	1350	1000	0,868	132	122
3x50	31,0	1700	1000	0,641	157	147
3x70	35,5	2200	1000	0,443	195	189
3x95	39,5	2700	1000	0,320	233	232
3x120	43,5	3200	1000	0,253	266	270
3x150	48,5	3900	1000	0,206	299	308
3x185	53,0	4650	1000	0,164	340	357
3x240	59,5	5700	500	0,125	401	435
3x300	65,0	6850	500	0,100	455	501
3x400	73,5	8650	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, flat steel wire armoured, multi-core cables with aluminium conductor



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Construction

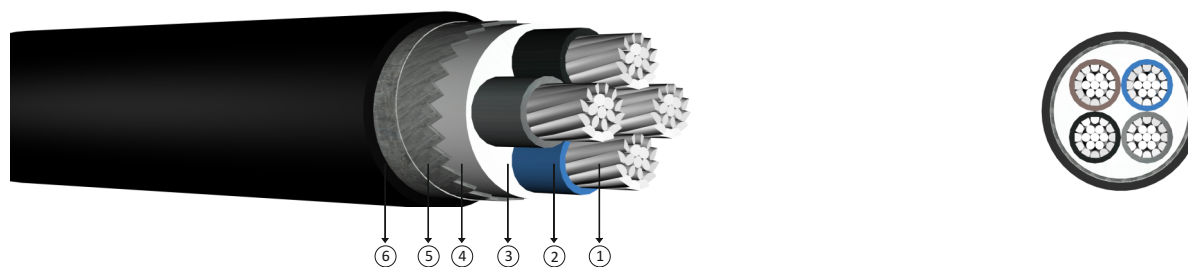
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Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25+16	26,0	1250	1000	1,20	111	100
3x35+16	28,0	1400	1000	0,868	132	122
3x50+25	32,0	1850	1000	0,641	157	147
3x70+35	36,5	2350	1000	0,443	195	189
3x95+50	41,0	2900	1000	0,320	233	232
3x120+70	45,5	3500	1000	0,253	266	270
3x150+70	50,0	4150	1000	0,206	299	308
3x185+95	55,0	4950	1000	0,164	340	357
3x240+120	61,5	6100	500	0,125	401	435
3x300+150	67,5	7300	500	0,100	455	501
3x400+185	76,0	9200	500	0,0778	526	592

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0.6/1 kV XLPE Insulated, flat steel wire armoured, multi-core cables with aluminium conductor



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- 2 XLPE insulation
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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
4x25	27,0	1300	1000	1,20	111	100
4x35	29,5	1550	1000	0,868	132	122
4x50	34,0	2000	1000	0,641	157	147
4x70	39,0	2650	1000	0,443	195	189
4x95	43,5	3200	1000	0,320	233	232
4x120	48,5	3900	1000	0,253	266	270
4x150	53,5	4700	1000	0,206	299	308
4x185	58,5	5600	500	0,164	340	357
4x240	65,5	6900	500	0,125	401	435
4x300	72,0	8300	500	0,100	455	501
4x400	82,0	10650	250	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions:
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