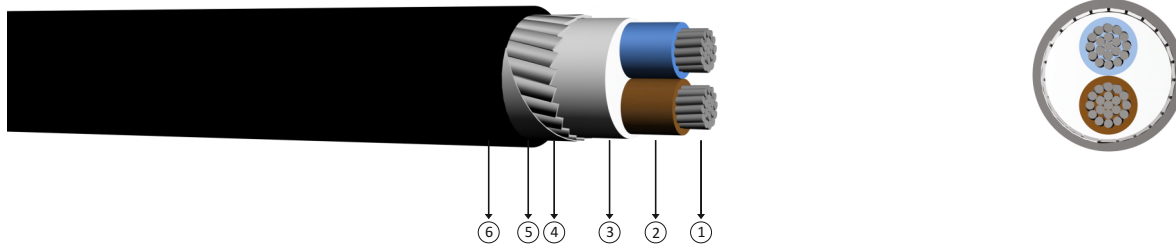




0.6/1 kV PVC Insulated, flat steel wire armoured, multi-core cables with aluminium conductor



Code: YAVZ3V-R, NAYFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

Technical Data

Max. operating temperature	: 70 °C
Max. short circuit temperature	: (max. 5 sec.)
Cross section < 300 mm ²	: 160 °C
Cross section > 300 mm ²	: 140 °C
Rated voltage	: 0.6/1 kV
Min. bending radius	: 15 x D
D	: Cable outer diameter

Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

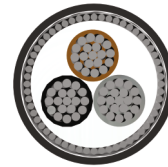
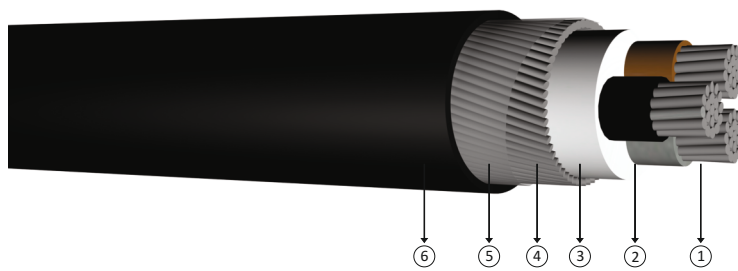
Construction

- 1 Stranded aluminium conductor
- 2 PVC insulation
- 3 Filler
- 4 Galvanized flat steel wire
- 5 Galvanized steel binding strap
- 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 air at 30 °C
2x25	24,5	1100	1000	1,20	91
2x35	27,0	1300	1000	0,868	113
2x50	31,0	1700	1000	0,641	138
2x70	34,5	2050	1000	0,443	174
2x95	39,0	2600	1000	0,320	210
2x120	42,5	3050	1000	0,253	244
2x150	46,5	3600	1000	0,206	281
2x185	51,5	4350	1000	0,164	320
2x240	57,5	5350	500	0,125	378

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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 Min. bending radius : 15 x D
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Application

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

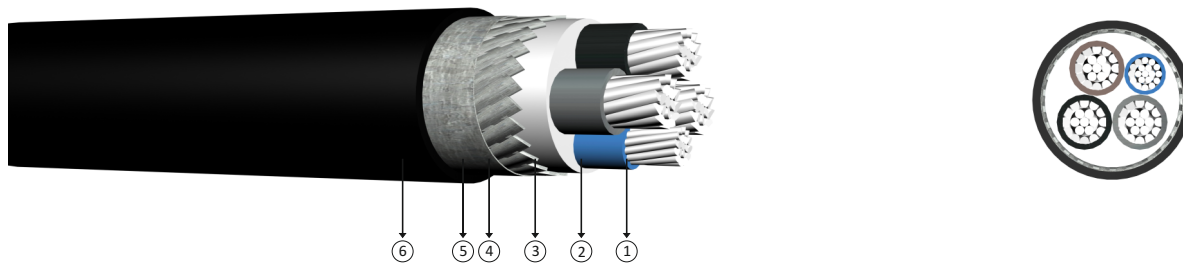
- 1 Stranded aluminium conductor
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- 5 Galvanized steel binding strap
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DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	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	26,0	1250	1000	1,20	99	83
3x35	28,5	1500	1000	0,868	118	102
3x50	33,0	1900	1000	0,641	142	124
3x70	37,0	2350	1000	0,443	176	158
3x95	42,0	2950	1000	0,320	211	190
3x120	45,5	3500	1000	0,253	242	221
3x150	50,0	4200	1000	0,206	270	252
3x185	55,0	5000	500	0,164	308	289
3x240	61,5	6200	500	0,125	363	339
3x300	68,0	7450	500	0,100	412	377
3x400	76,5	9500	500	0,0778	475	444

Note : Current carrying capacities are valid under the following conditions;
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0.6/1 kV PVC Insulated, flat steel wire armoured, multi-core cables with aluminium conductor



Code: YAVZ3V-R, NAYFGY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

Technical Data

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 Max. short circuit temperature : (max. 5 sec.)
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 Cross section > 300 mm² : 140 °C
 Rated voltage : 0.6/1 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

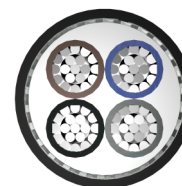
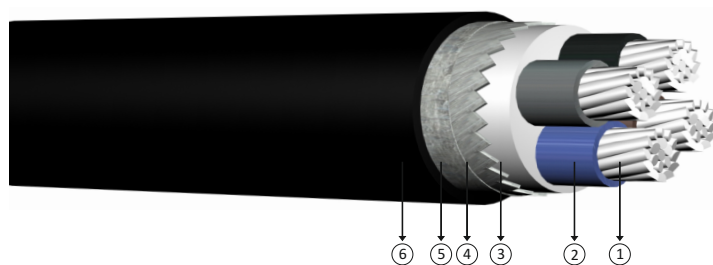
Construction

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- 3 Filler
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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	27,5	1500	1000	1,20	99	83
3x35+16	29,5	1550	1000	0,868	118	102
3x50+25	34,0	2050	1000	0,641	142	124
3x70+35	38,5	2550	1000	0,443	176	158
3x95+50	43,5	3250	1000	0,320	211	190
3x120+70	48,0	3900	1000	0,253	242	221
3x150+70	52,0	4500	1000	0,206	270	252
3x185+95	57,0	5400	500	0,164	308	289
3x240+120	63,5	6650	500	0,125	363	339
3x300+150	70,0	8000	500	0,100	412	377
3x400+185	79,0	10100	250	0,0778	475	444

Note : Current carrying capacities are valid under the following conditions;
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 In air : 30 °C, load factor 1.0
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- 1 Stranded aluminium conductor
- 2 PVC 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
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4x35	31,0	1750	1000	0,868	118	102
4x50	36,5	2300	1000	0,641	142	124
4x70	40,5	2850	1000	0,443	176	158
4x95	46,0	3550	1000	0,320	211	190
4x120	50,0	4250	1000	0,253	242	221
4x150	55,5	5100	500	0,206	270	252
4x185	61,0	6100	500	0,164	308	289
4x240	68,0	7550	500	0,125	363	339
4x300	75,0	9100	500	0,100	412	377
4x400	85,0	11500	250	0,0778	475	444

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