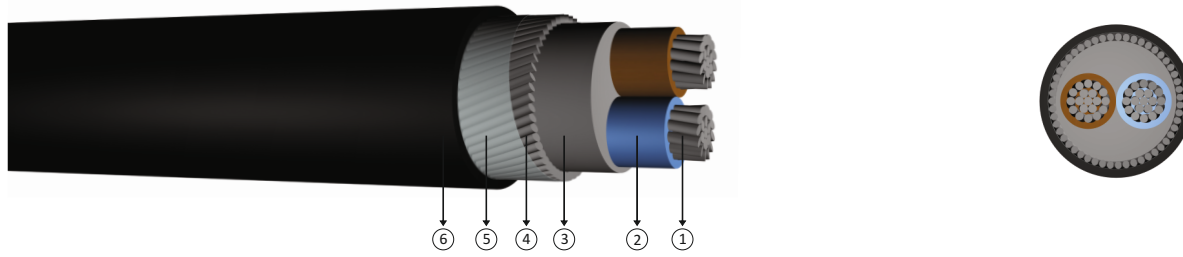




0.6 / 1 kV PVC insulated, round steel wire armoured, multi-core cables with aluminium conductor



Code: YAVZ2V-R, AL/PVC/SWA/PVC, NAYRY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

Technical Data

Max. operating temperature	: 70 °C
Max. short circuit temperature	: 160 °C (max. 5 sec.)
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.

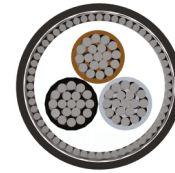
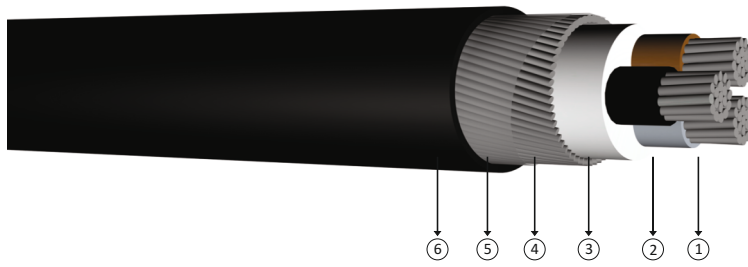
Construction

- ① Stranded aluminium conductor
- ② PVC insulation
- ③ Filler
- ④ Galvanized round steel wire
- ⑤ Polyester 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
2x25	25,5	1350	1000	1,20	91
2x35	28,0	1550	1000	0,868	113
2x50	32,0	1950	1000	0,641	138
2x70	36,0	2600	1000	0,443	174
2x95	41,0	3250	1000	0,320	210
2x120	44,5	3700	1000	0,253	244
2x150	49,5	4800	1000	0,206	281
2x185	54,5	5650	500	0,164	320
2x240	60,5	6800	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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Technical Data

Max. operating temperature : 70 °C
 Max. short circuit temperature : (max. 5 sec.)
 Cross section < 300 mm² : 160 °C
 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

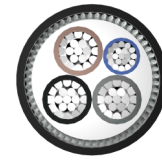
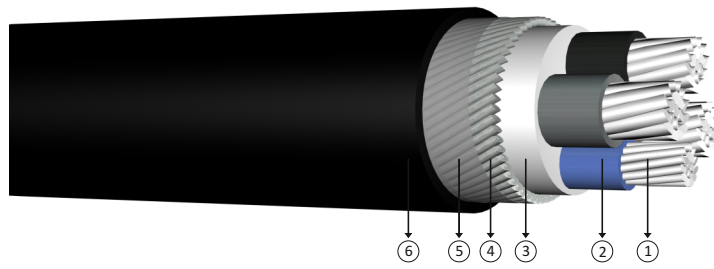
- 1 Stranded aluminium conductor
- 2 PVC insulation
- 3 Filler
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- 5 Polyester tape
- 6 PVC outer jacket

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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	27,0	1450	1000	1,20	99	83
3x35	29,5	1700	1000	0,868	118	102
3x50	34,0	2200	1000	0,641	142	124
3x70	39,0	2950	1000	0,443	176	158
3x95	44,0	3650	1000	0,320	211	190
3x120	47,5	4200	1000	0,253	242	221
3x150	53,0	5500	500	0,206	270	252
3x185	58,0	6350	500	0,164	308	289
3x240	64,5	7750	500	0,125	363	339
3x300	71,0	9150	500	0,100	412	377
3x400	81,5	12300	250	0,0778	475	444

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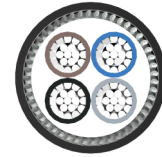
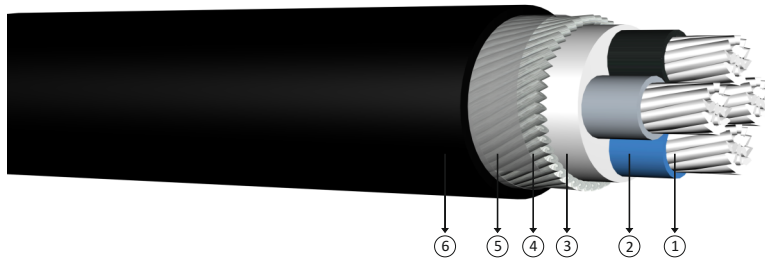
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Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25+16	28,5	1600	1000	1,20	99	83
3x35+16	31,0	1800	1000	0,868	118	102
3x50+25	36,5	2600	1000	0,641	142	124
3x70+35	40,5	3150	1000	0,443	176	158
3x95+50	46,0	3950	1000	0,320	211	190
3x120+70	51,5	5100	1000	0,253	242	221
3x150+70	55,0	5800	500	0,206	270	252
3x185+95	60,5	6850	500	0,164	308	289
3x240+120	67,0	8250	500	0,125	363	339
3x300+150	73,5	9750	500	0,100	412	377
3x400+185	84,0	13050	250	0,0778	475	444

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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)	
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4x35	32,0	2000	1000	0,868	118	102
4x50	38,5	2900	1000	0,641	142	124
4x70	42,5	3450	1000	0,443	176	158
4x95	49,0	4700	1000	0,320	211	190
4x120	53,0	5500	1000	0,253	242	221
4x150	58,5	6500	500	0,206	270	252
4x185	64,0	7650	500	0,164	308	289
4x240	71,0	9250	500	0,125	363	339
4x300	78,0	10950	250	0,100	412	377
4x400	89,5	14700	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
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