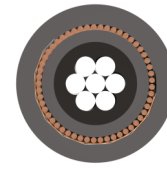
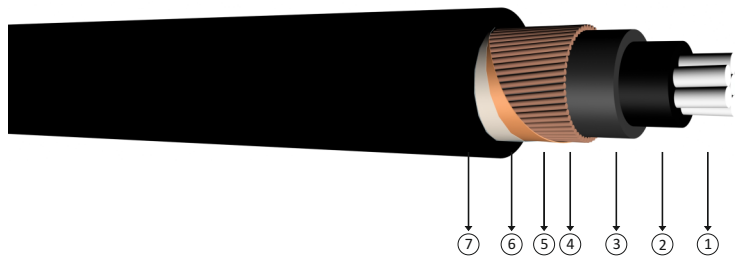


0.6/1 kV PVC Insulated, concentric conductor screen, single core cables with aluminium conductor



Code: YAVCV-R, AL/PVC/SC/PVC, NAYCY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

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

In door installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

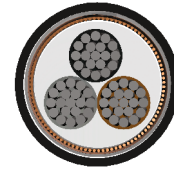
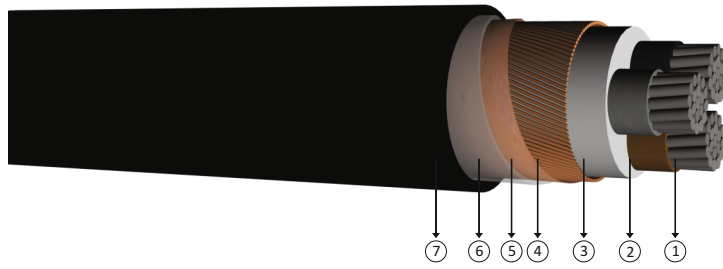
Construction

- ① Stranded aluminium conductor
- ② PVC insulation
- ③ PVC inner sheath
- ④ Concentric copper wire
- ⑤ Copper tape as binder
- ⑥ Polyester tape
- ⑦ 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	
					***	**	***	**
1x25/16	16,0	400	1000	1,20	125	105	87	75
1x35/16	17,0	450	1000	0,868	151	127	131	113
1x50/25	19,5	630	1000	0,641	179	151	160	138
1x70/35	20,5	800	1000	0,443	218	186	202	174
1x95/50	24,0	1050	1000	0,320	261	223	249	210
1x120/70	26,0	1350	1000	0,253	297	254	291	244
1x150/70	27,5	1500	1000	0,206	332	285	333	281
1x185/95	30,0	1850	1000	0,164	376	323	384	320
1x240/120	33,5	2350	1000	0,125	437	378	460	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
 *** : 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 PVC Insulated, concentric conductor screen, multi-core cables with aluminium conductor



Code: YAVCV-R, AL/PVC/SC/PVC, NAYCY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

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

In door installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

Construction

- 1 Stranded aluminium conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder
- 6 Polyester tape
- 7 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
3x25/16	25,0	950	1000	1,20	99	83
3x35/16	27,5	1100	1000	0,868	118	102
3x50/25	32,0	1500	1000	0,641	142	124
3x70/35	36,0	2000	1000	0,443	176	158
3x95/50	41,5	2650	1000	0,320	211	190
3x120/70	45,0	3250	1000	0,253	242	221
3x150/70	50,0	3850	1000	0,206	270	252
3x185/95	55,0	4900	1000	0,164	308	289
3x240/120	61,5	6100	500	0,125	363	339
3x300/150	68,0	7450	500	0,100	412	377
3x400/185	77,5	9600	500	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