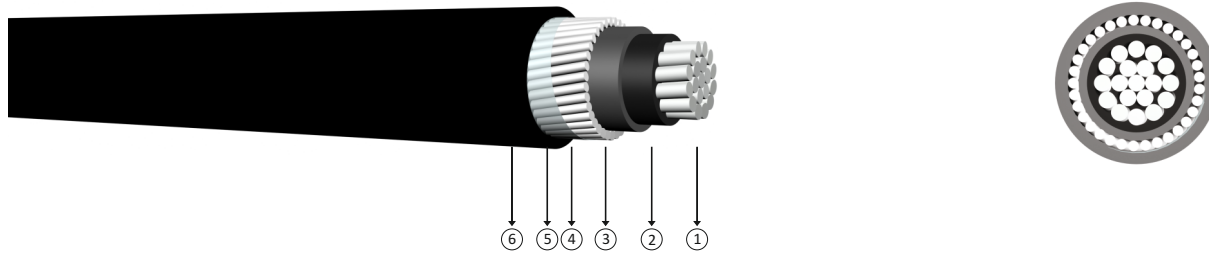


0.6/1 kV PVC Insulated, round aluminium wire armoured, single-core cables with aluminium conductor



Code: YAVY2V-R, AL/PVC/AWA/PVC, NAYR(A)Y

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 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 PVC inner sheath
- 4 Round aluminium 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		In air at 30 °C	
					***	**	***	**
1x25	17,0	400	1000	1,20	125	105	87	75
1x35	18,0	450	1000	0,868	151	127	131	113
1x50	20,0	500	1000	0,641	179	151	160	138
1x70	21,5	650	1000	0,443	218	186	202	174
1x95	24,5	850	1000	0,320	261	223	249	210
1x120	26,0	950	1000	0,253	297	254	291	244
1x150	28,0	1100	1000	0,206	332	285	333	281
1x185	30,0	1300	1000	0,164	376	323	384	320
1x240	33,0	1550	1000	0,125	437	378	460	378
1x300	36,5	1950	1000	0,100	494	427	530	433
1x400	40,5	2350	1000	0,0778	572	496	642	523
1x500	44,0	2850	1000	0,0605	649	562	744	603

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