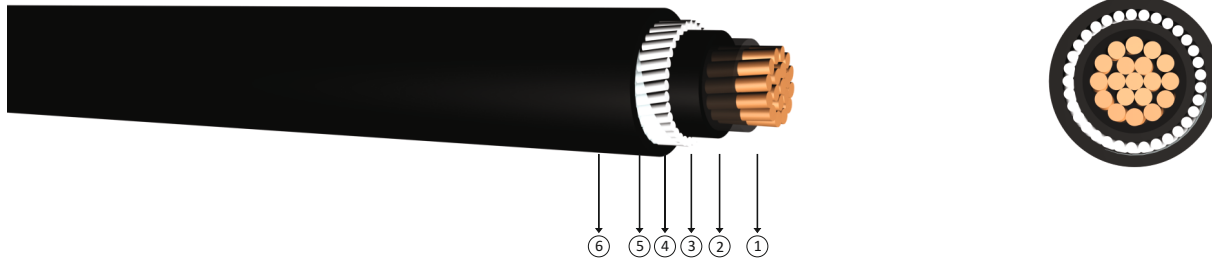


## 0.6 / 1 kV PVC insulated, round aluminium wire armoured, single core cables with copper conductor



Code: YVY2V-R, CU/PVC/AWA/PVC , NYR(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 mm<sup>2</sup> : 160 °C  
 Cross section > 300 mm<sup>2</sup> : 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 copper conductors
- 2 PVC insulation
- 3 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 <sup>2</sup>	mm	kg/km	m	ohm/km	In ground at 20 °C		In air at 30 °C	
					***	**	***	**
1x25	17,5	550	1000	0,727	163	137	137	118
1x35	18,5	650	1000	0,524	195	165	169	145
1x50	20,0	800	1000	0,387	230	195	206	176
1x70	21,5	1050	1000	0,268	282	239	261	224
1x95	24,5	1400	1000	0,193	336	287	321	271
1x120	26,0	1650	1000	0,153	382	326	374	314
1x150	27,5	2000	1000	0,124	428	366	428	361
1x185	30,0	2400	1000	0,0991	483	414	494	412
1x240	33,0	3050	1000	0,0754	561	481	590	484
1x300	37,5	3750	1000	0,0601	632	542	678	549
1x400	41,5	4750	500	0,0470	730	624	817	657
1x500	46,0	5850	500	0,0366	823	698	940	749
1x630	50,0	7450	500	0,0283	866	775	1108	920

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