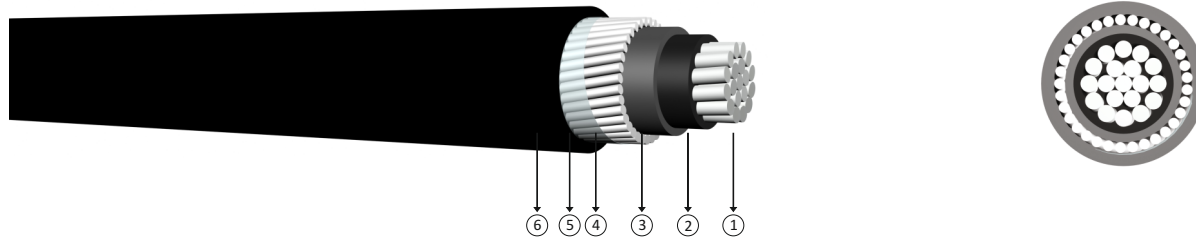


# 0.6/1 kV XLPE Insulated, round aluminium wire armoured, single-core cables with aluminium conductor



**Code:** YAXY2V-R, AL/XLPE/PVC/AWA/PVC, NA2XR(A)Y

R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1

### Technical Data

Max. operating temperature : 90 °C  
 Max. short circuit temperature : 250 °C (max. 5 sec.)  
 Rated voltage : 0.6/1 kV  
 Min. bending radius : 15 x D  
 D : Cable outer diameter

### Application

These cables have a low dielectric loss, used in 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 XLPE 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 <sup>2</sup>	mm	kg/km	m	ohm/km	In ground at 20 °C		In air at 30 °C	
					***	**	***	**
1x25	15,5	300	1000	1,20	-	114	-	106
1x35	17,5	400	1000	0,868	164	137	163	131
1x50	19,5	450	1000	0,641	195	163	200	161
1x70	21,0	600	1000	0,443	238	201	254	205
1x95	23,5	750	1000	0,320	284	240	313	253
1x120	25,0	850	1000	0,253	323	274	366	296
1x150	27,0	1000	1000	0,206	361	308	420	341
1x185	29,5	1150	1000	0,164	408	350	486	395
1x240	32,0	1400	1000	0,125	476	408	585	475
1x300	35,5	1750	1000	0,100	537	462	675	548
1x400	39,5	2150	1000	0,0778	616	531	798	647
1x500	43,0	2600	1000	0,0605	699	601	926	749

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