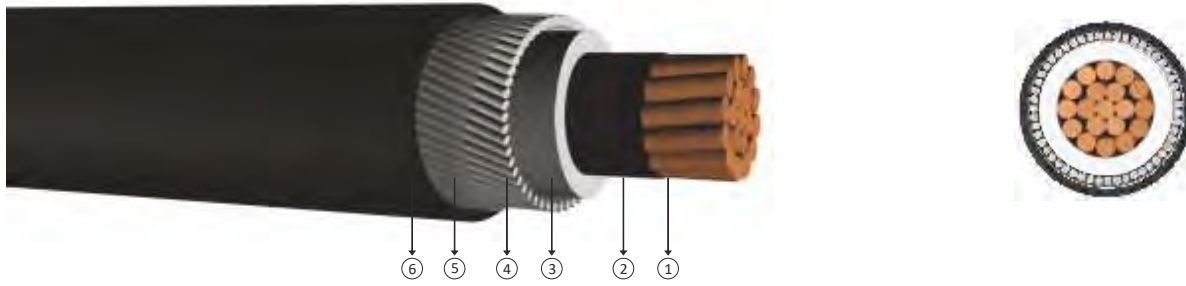


## 0,6/1 kV XLPE Insulated, round aluminium wire armoured, single core cables with copper conductor



**Code:** 6941X, YXVY2V-R, CU/XLPE/PVC/AWA/PVC, N2XYR(A)Y

R: Stranded Conductor

**Standards:** IEC 60502-1, BS 5467

### 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 indoor and outdoor applications, 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 conductor
- ③ Thermoplastic inner sheath
- ⑤ PP tape
- ② XLPE insulation
- ④ Round aluminium wire
- ⑥ PVC outer sheath

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	Ω/km	In ground at 20°C	In air at 30°C
1x50	16,1	632	100	0,387	251	258
1x70	18,5	881	1000	0,268	307	328
1x95	20,3	1151	1000	0,193	366	404
1x120	22,1	1408	1000	0,153	416	471
1x150	25,0	1774	1000	0,124	465	541
1x185	27,2	2165	1000	0,0991	526	626
1x240	30,0	2744	1000	0,0754	610	749
1x300	32,4	3367	1000	0,0601	689	864
1x400	37,0	4357	1000	0,0470	788	1018
1x500	40,6	5430	500	0,0366	889	1173
1x630	44,9	6818	500	0,0283	980	1315
1x800	51,9	8762	500	0,0221	1160	1520
1x1000	55,8	10615	250	0,0176	1160	1520

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