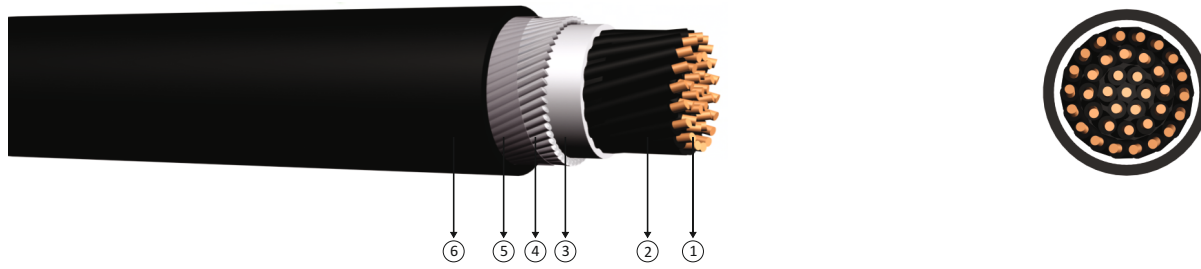


## 0.6/1 kV XLPE Insulated, round steel wire armoured, control cables with copper conductor



**Code:** 6947B, 6940/12B, 6940/19B, 6940/27B, 6940/37B, YXZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH AUX, N2XHRH

R: Stranded Conductor

O: Yellow / green veinless  
J : Yellow / green core

**Standards:** IEC 60502 - 1, BS 6724

### 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 copper conductor
- 2 XLPE insulation
- 3 HFFR inner sheath
- 4 Galvanized round steel wire
- 5 Polyester tape
- 6 HFFR 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
7x1,5	14,0	408	1000	12,1	18	15,6
12x1,5	18,0	702	1000	12,1	13,5	12
19x1,5	20,5	911	1000	12,1	12	10,8
27x1,5	24,9	1340	1000	12,1	9	8,4
37x1,5	27,2	1631	1000	12,1	9	8,4
7x2,5	15,8	535	1000	7,41	24	20,8
12x2,5	20,7	936	1000	7,41	18	16
19x2,5	24,8	1391	1000	7,41	16	14,4
27x2,5	28,8	1836	1000	7,41	12	11,2
37x2,5	31,7	2251	1000	7,41	12	11,2
7x4	18,2	784	1000	4,61	31,2	27,3
12x4	24,0	1354	1000	4,61	23,4	21
19x4	27,4	1808	1000	4,61	20,8	18,9
27x4	32,2	2410	1000	4,61	15,6	14,7
37x4	36,9	3289	1000	4,61	15,6	14,7

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