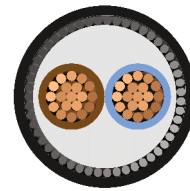
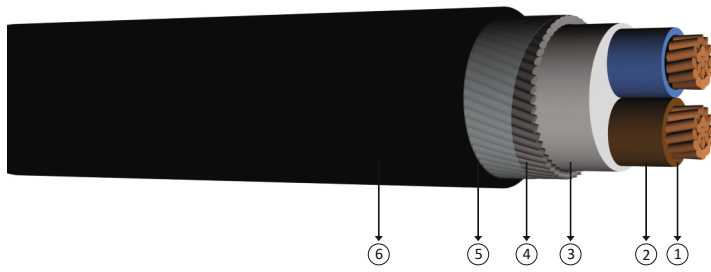


## 0.6/1 kV XLPE Insulated, round steel wire armoured, multi-core cables with copper conductor



**Code:** 6942B, XYZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH, 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 : 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

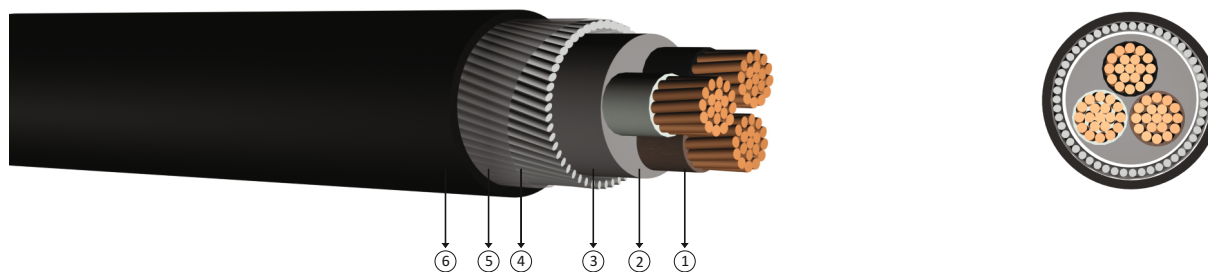
- 1 Stranded copper conductor
- 2 XLPE insulation
- 3 HFFR inner sheath
- 4 Galvanized round steel wire
- 5 Polyester tape
- 6 HFFR outer jacket

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
2x16	19.1	883	1000	1.15	115	125
2x25	22.5	1233	1000	0.727	145	155
2x35	25.8	1689	1000	0.524	175	195
2x50	28.8	2114	1000	0.387	210	235
2x70	33.6	3003	1000	0.268	255	300
2x95	37.1	3762	1000	0.193	310	370
2x120	40.7	4541	1000	0.153	355	430
2x1,5	-	-	-	-	-	-
2x2,5	-	-	-	-	-	-
2x4	-	-	-	-	-	-
2x6	-	-	-	-	-	-
2x10	-	-	-	-	-	-

Note  
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



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



**Code:** 6943B, YXZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH, 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.

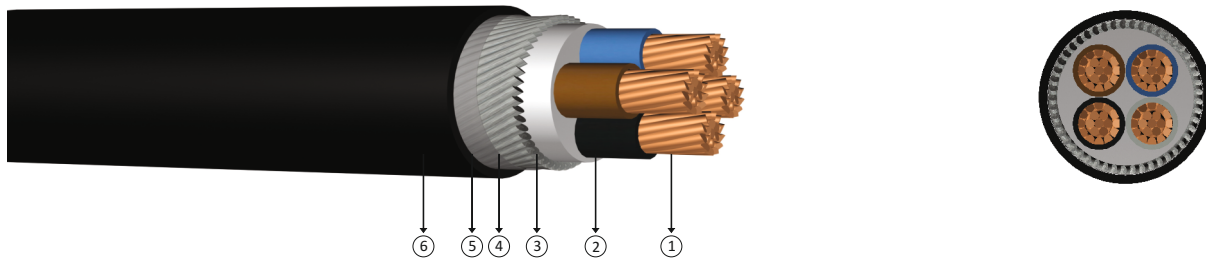
### Construction

- 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
3x16	20.3	1044	1000	1.15	111	96
3x25	25.0	1639	1000	0.727	143	130
3x35	27.4	2018	1000	0.524	173	160
3x50	30.4	2550	1000	0.387	205	195
3x70	35.5	3612	1000	0.268	252	247
3x95	39.8	4664	1000	0.193	303	305
3x120	44.9	6002	500	0.153	346	355
3x1,5	-	-	-	-	-	-
3x2,5	-	-	-	-	-	-
3x4	-	-	-	-	-	-
3x6	-	-	-	-	-	-
3x10	-	-	-	-	-	-

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

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



**Code:** 6944B, XYZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH, 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

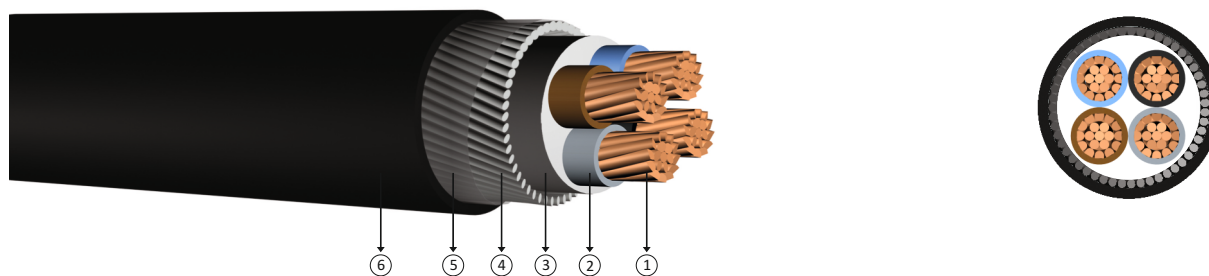
- 1 Stranded copper conductor
- 2 XLPE insulation
- 3 HFFR inner sheath
- 4 Galvanized round steel wire
- 5 Polyester tape
- 6 HFFR outer jacket

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
4x16	21.9	1260	1000	1.15	111	96
4x25	27.1	1964	1000	0.727	143	130
4x35	29.7	2453	1000	0.524	173	160
4x50	34.4	3383	1000	0.387	205	195
4x70	38.9	4456	1000	0.268	252	247
4x95	44.5	6117	500	0.193	303	305
4x120	49.0	7398	500	0.153	346	355
4x1,5	-	-	-	-	-	-
4x2,5	-	-	-	-	-	-
4x4	-	-	-	-	-	-
4x6	-	-	-	-	-	-
4x10	-	-	-	-	-	-

Note  
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

: 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  
: 30 °C, load factor 1.0  
: 1

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



**Code:** 6945B, YXZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH, 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
5x16	24.9	1654	1000	1.15	111	96
5x25	29.5	2333	1000	0.727	143	130
5x35	32.4	2920	1000	0.524	173	160
5x50	37.3	4011	1000	0.387	205	195
5x70	42.3	5327	500	0.268	252	247
5x1,5	-	-	-	-	-	-
5x2,5	-	-	-	-	-	-
5x4	-	-	-	-	-	-
5x6	-	-	-	-	-	-
5x10	-	-	-	-	-	-

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