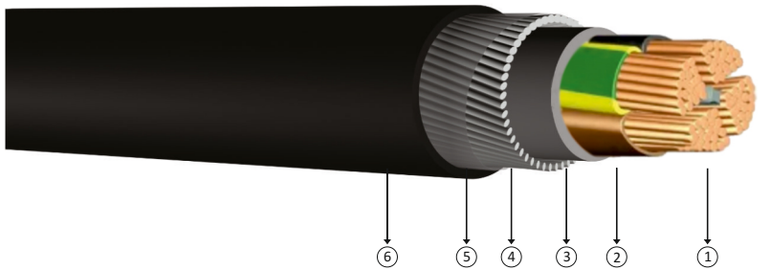
0.6/1 kV XLPE Insulated, round steel wire armoured, sector shaped, multi-core cables with copper conductor



Code: 6942B, 6943B, CU/XLPE/LSZH/SWA/LSZH

SM: Sector Shaped Conductor

Standards: 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.

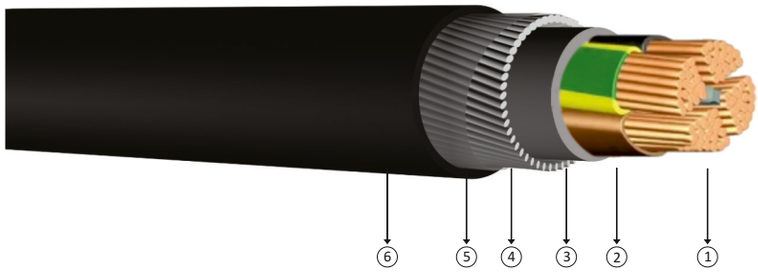
Construction

1. Sector shaped 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 ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
2x25	18,8	953	1000	0,727	145	155
2x35	21,5	1320	1000	0,524	175	195
2x50	23,6	1641	1000	0,387	210	235
2x70	26,3	2133	1000	0,268	255	300
2x95	30,1	2939	1000	0,193	310	370
2x120	32,9	3544	1000	0,153	355	430
2x150	35,4	4192	1000	0,124	400	490
2x185	40,2	5391	500	0,0991	455	570
2x240	44,4	6719	500	0,0754	530	680
2x300	48,1	8145	500	0,0601	605	785
2x400	53,1	10119	250	0,0470	690	860
3x25	23,4	1459	1000	0,727	143	130
3x35	24,8	1772	1000	0,524	173	160
3x50	27,2	2222	1000	0,387	205	195
3x70	30,8	2954	1000	0,268	252	247
3x95	35,2	4069	1000	0,193	303	305
3x120	38,3	4893	1000	0,153	346	355

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, sector shaped, multi-core cables with copper conductor



Code: 6943B, 6944B, CU/XLPE/LSZH/SWA/LSZH

SM: Sector Shaped Conductor

Standards: 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. Sector Shaped 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 ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x150	43,5	6264	500	0,124	390	407
3x185	47,3	7539	500	0,0991	441	469
3x240	52,2	9423	500	0,0754	511	551
3x300	56,8	11485	250	0,0601	580	638
3x400	63,5	14322	250	0,0470	663	746
4x25	27,0	1842	1000	0,727	143	130
4x35	28,7	2246	1000	0,524	173	160
4x50	31,7	2848	1000	0,387	205	195
4x70	37,2	4070	1000	0,268	252	247
4x95	41,0	5225	500	0,193	303	305
4x120	46,2	6716	500	0,153	346	356
4x150	50,1	7998	500	0,124	390	407
4x185	54,7	9696	500	0,0991	441	469
4x240	60,8	12258	250	0,0754	511	551
4x300	65,8	14884	250	0,0601	580	638
4x400	76,1	19554	250	0,0470	663	746

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