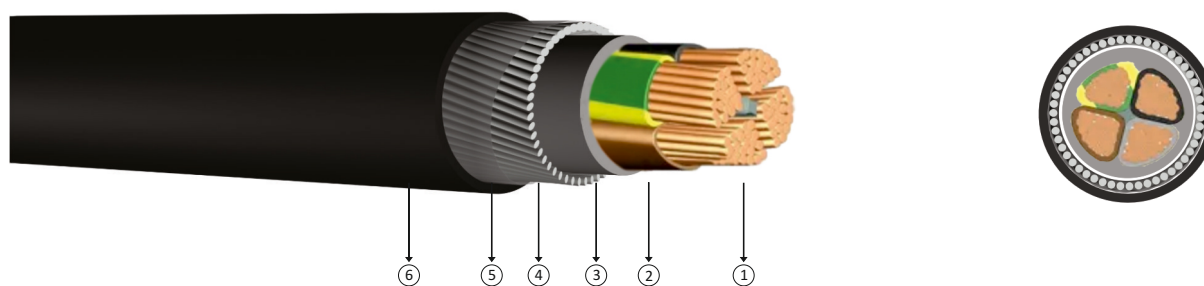


1.9/3.3 kV XLPE Insulated, round steel wire armoured, multi-core cables with copper conductor



Code: 61943B, YXZ1Z2Z1-R, CU/XLPE/LSZH/SWA/LSZH, N2XHRH

R: Stranded Conductor Rigid O: Yellow / green veinless **Standards:** IEC 60502 - 1, BS 6724
SM: Sector Shaped Conductor J : Yellow / green core

Technical Data

Max. operating temperature : 90 °C
Max. short circuit temperature : 250 °C (max. 5 sec.)
Rated voltage : 1.9/3.3 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 or 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
3x25	28,0	1733	1000	0,727	143	130
3x35	24,9	1882	1000	0,524	173	160
3x50	28,7	2565	1000	0,387	205	195
3x70	32,4	3312	1000	0,268	252	247
3x95	35,4	4203	1000	0,193	303	305
3x120	39,8	5383	500	0,153	346	355
3x150	43,7	6379	500	0,124	390	407
3x185	47,5	7630	500	0,0991	441	469
3x240	52,6	9574	500	0,0754	511	551
3x300	56,8	11529	250	0,0601	580	638
3x400	63,5	14322	250	0,0470	663	746
3x16 RM	-	-	-	-	-	-
3x25 RM	-	-	-	-	-	-
3x35 RM	-	-	-	-	-	-

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