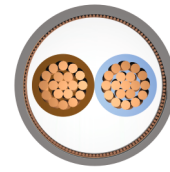
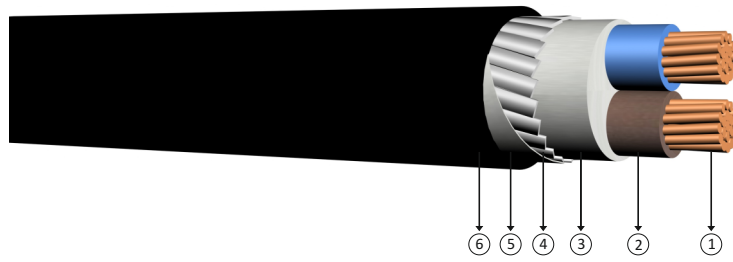


0.6/1 kV halogen free, flame retardant, XLPE insulated, flat steel wire armoured multi core cables with copper conductor



Code: YXZ3Z1-R, N2XFGH

R: Stranded Conductor

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

Standards: HD 604 S1, IEC 60502-1

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 and fire.

Construction

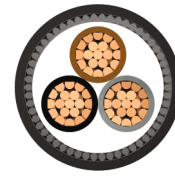
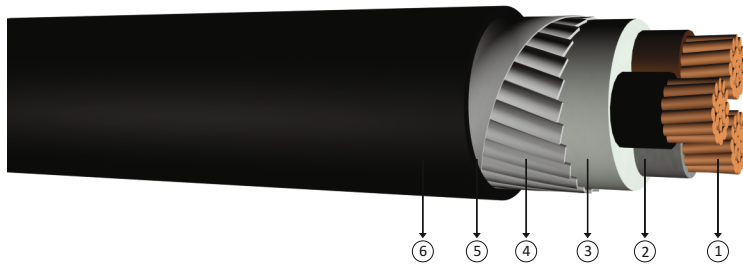
- 1 Stranded copper conductor
- 2 XLPE insulation
- 3 Filler
- 4 Galvanized flat steel wire
- 5 Galvanized steel binding tape
- 6 HFFR outer jacket

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	24.5	1410	1000	0.727	145	155
2x35	26.3	1700	1000	0.524	175	195
2x50	28.8	2100	1000	0.387	210	235
2x70	32.9	2750	1000	0.268	255	300
2x95	36.9	3500	1000	0.193	310	370
2x120	40.4	4300	500	0.153	355	430
2x150	44.3	5150	500	0.124	400	490
2x185	49.1	6300	500	0.0991	455	570
2x240	54.7	7950	250	0.0754	530	680
2x300	59.6	9550	250	0.0601	605	785
2x400	67.2	12150	250	0.0470	690	860

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



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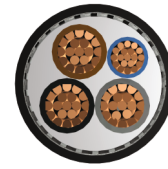
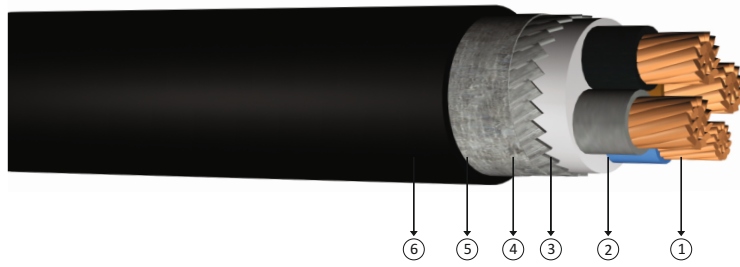
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mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25	25.0	1600	1000	0.727	143	130
3x35	27.0	1950	1000	0.524	173	160
3x50	30.0	2550	1000	0.387	205	195
3x70	34.5	3450	1000	0.268	252	247
3x95	38.5	4400	1000	0.193	303	305
3x120	42.5	5400	500	0.153	346	355
3x150	47.0	6600	500	0.124	390	407
3x185	51.5	8000	500	0.0991	441	469
3x240	58.5	10200	250	0.0754	511	551
3x300	65.5	12500	250	0.0601	580	638
3x400	74.0	16300	250	0.0470	663	746

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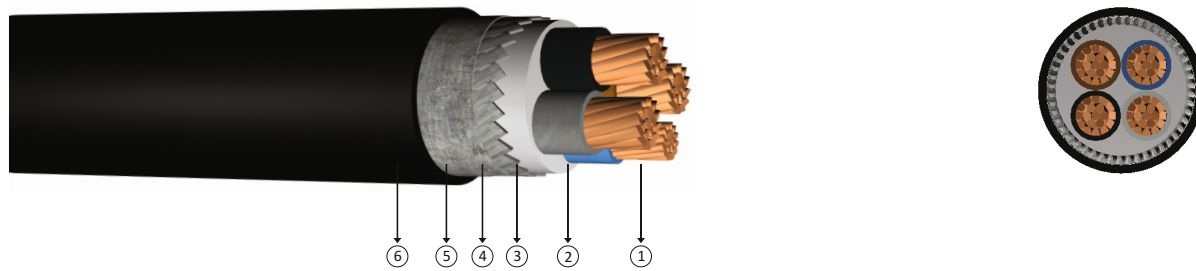
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mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x25+16	26.0	1800	1000	0.727	143	130
3x35+16	27.5	2150	1000	0.524	173	160
3x50+25	31.5	2800	1000	0.387	205	195
3x70+35	35.5	3800	1000	0.268	252	247
3x95+50	40.0	4900	500	0.193	303	305
3x120+70	44.5	6100	500	0.153	346	355
3x150+70	48.5	7250	500	0.124	390	407
3x185+95	53.5	8900	500	0.0991	441	469
3x240+120	60.5	11350	250	0.0754	511	551
3x300+150	67.5	13900	250	0.0601	580	638
3x400+185	75.5	18000	250	0.0470	663	746

Note : Current carrying capacities are valid under the following conditions;
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- 3** Filler
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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
4x16	23.0	1350	1000	1.15	111	96
4x25	27.0	1900	1000	0.727	143	130
4x35	29.0	2400	1000	0.524	173	160
4x50	33.0	3150	1000	0.387	205	195
4x70	38.0	4300	1000	0.268	252	247
4x95	42.0	5500	500	0.193	303	305
4x120	47.0	6850	500	0.153	346	355
4x150	51.5	8250	500	0.124	390	407
4x185	57.0	10100	250	0.0991	441	469
4x240	64.5	12900	250	0.0754	511	551
4x300	72.5	15900	250	0.0601	580	638
4x400	82.5	20800	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
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