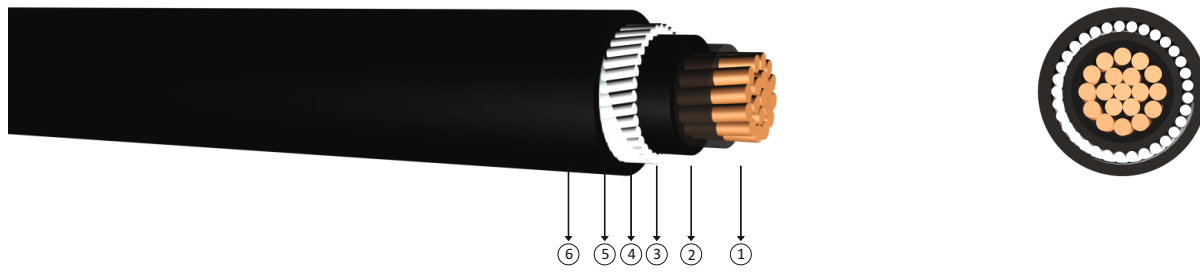


0.6/1 kV halogen free, flame retardant, XLPE insulated, round aluminium wire armoured, single core cables with copper conductor



Code: YXYZZ1-R, N2XR(A)H, CU/XLPE/LSZH/AWA/LSZH

R: Stranded Conductor	O: Yellow / green veinless J : Yellow / green core	Standards: IEC 60502 - 1
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Technical Data		Application
Max. operating temperature	: 90 °C	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.
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	

Construction

- 1 Stranded copper conductors
- 2 XLPE insulation
- 3 HFFR inner sheath
- 4 Round aluminium 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	
					***	**	***	**
1x25	15.5	500	1000	0.727	179	149	173	139
1x35	17.5	700	1000	0.524	213	178	212	170
1x50	19.0	900	1000	0.387	251	211	258	208
1x70	20.5	1150	1000	0.268	307	259	328	265
1x95	23.0	1600	1000	0.193	366	310	404	326
1x120	25.0	1900	1000	0.153	416	352	471	381
1x150	26.5	2200	1000	0.124	465	396	541	438
1x185	28.5	2600	1000	0.0991	526	449	626	507
1x240	31.5	3200	1000	0.0754	610	521	749	606
1x300	36.0	4100	1000	0.0601	689	587	864	697
1x400	40.5	5100	500	0.0470	788	669	1018	816
1x500	45.5	6350	500	0.0366	889	748	1173	933
1x630	50.0	8800	500	0.0283	980	843	1315	1083

Note
 In ground : 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
 In air : 30 °C, load factor 1.0
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1