

0,6/1 kV halogen free, flame retardant, XLPE insulated, single core cables with copper conductor



Code: YXZ1-U, YXZ1-R, N2XH-O, N2XH-J, CU/XLPE/LSZH

U: Solid Conductor O : Without yellow/green wire **Standards:** HD 604 S1, IEC 60502-1, VDE 0276-604
 R: Stranded Conductor J : With yellow/green wire

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 : 12 x D
 D : Cable outer diameter

Application

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

Construction

- 1 Solid or stranded copper conductor 2 XLPE insulation 3 HFFR outer sheath

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)			
					In ground at 20°C		In air at 30°C	
mm ²	mm	kg/km	m	Ω/km	***	**	***	**
1x4	6,5	70	1000	4,61	66	55	56	44
1x6	7,0	95	1000	3,08	82	68	71	57
1x10	8,5	130	1000	1,83	109	90	96	77
1x16	9,5	200	1000	1,15	139	115	128	102
1x25	11,0	300	1000	0,727	179	149	173	139
1x35	12,0	400	1000	0,524	213	178	212	170
1x50	13,5	500	1000	0,387	251	211	258	208
1x70	15,5	750	1000	0,268	307	259	328	265
1x95	17,5	950	1000	0,193	366	310	404	326
1x120	19,5	1200	1000	0,153	416	352	471	381
1x150	20,5	1500	1000	0,124	465	396	541	438
1x185	23,5	1850	1000	0,0991	526	449	626	507
1x240	26,5	2350	1000	0,0754	610	521	749	606
1x300	28,5	3000	1000	0,0601	689	587	864	697
1x400	32,5	3900	1000	0,0470	788	669	1018	816
1x500	35,0	4900	1000	0,0366	889	748	1173	933

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
 *** : Flat formation, gap between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1