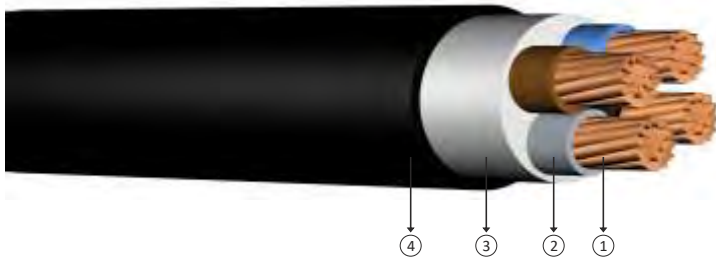


# 0,6/1 kV halogen free, flame retardant, XLPE insulated, multi core cables with copper conductor



**Code:** YXZ1-U, YXZ1-R, N2XH, 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 Thermoplastic filler    ④ 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)	
mm <sup>2</sup>	mm	kg/km	m	Ω/km	In ground at 20°C	In air at 30°C
4x1,5	12,0	200	1000	12,1	30	24
4x2,5	13,0	250	1000	7,41	40	32
4x4	14,0	300	1000	4,61	52	42
4x6	15,5	400	1000	3,08	64	53
4x10	17,5	580	1000	1,83	86	73
4x16	20,0	850	1000	1,15	111	96
4x25	24,5	1300	1000	0,727	143	130
4x35	26,0	1700	1000	0,524	173	160
4x50	30,0	2300	1000	0,387	205	195
4x70	34,0	3200	1000	0,268	252	247
4x95	38,0	4250	1000	0,193	303	305
4x120	43,0	5400	500	0,153	346	355
4x150	48,0	7000	500	0,124	390	407
4x185	53,0	8800	500	0,0991	441	469
4x240	61,0	11400	250	0,0754	511	551
4x300	67,0	14000	250	0,0601	580	638
4x400	76,0	18200	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