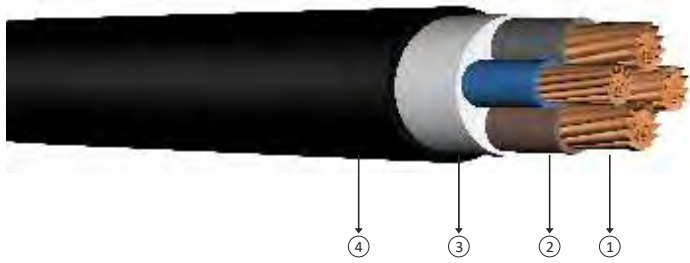


0,6/1 kV XLPE insulated, multi-core cables with copper conductor



Code: YXV-R, CU/XLPE/PVC, N2XY

R: Stranded Conductor

Standards: IEC 60502-1, VDE 0276-603

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

These cables have a low dielectric loss, used in indoor and outdoor applications, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

Construction

- 1 Stranded copper conductors
- 2 XLPE insulation
- 3 Thermoplastic filler
- 4 PVC 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 ²	mm	kg/km	m	Ω/km	In ground at 20°C	In air at 30°C
3x16+10	20,0	850	1000	1,15	111	96
3x25+16	23,5	1300	1000	0,727	143	130
3x35+16	25,5	1650	1000	0,524	173	160
3x50+25	29,0	2200	1000	0,387	205	195
3x70+35	33,5	3100	1000	0,268	252	247
3x95+50	37,5	4100	1000	0,193	303	305
3x120+70	42,0	5200	500	0,153	346	355
3x150+70	45,5	6250	500	0,124	390	407
3x185+95	51,0	7800	500	0,0991	441	469
3x240+120	58,0	10100	500	0,0754	511	551
3x300+150	65,0	12500	250	0,0601	580	638
3x400+185	73,5	16300	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