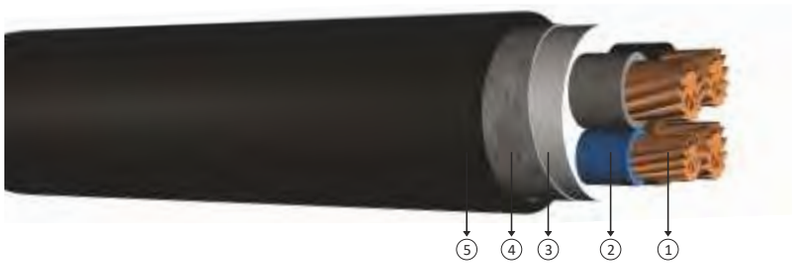
0,6/1 kV PVC Insulated, double steel tape armoured, multi-core cables with copper conductor



Code: YVZ4V-R, NYBY

R: Stranded Conductor

Standards: IEC 60502-1, VDE 0276-603

Technical Data

Max. operating temperature	: 70°C
Max. short circuit temperature	: (max. 5 sec.)
Cross section • 300 mm^2	: 160°C
Cross section > 300 mm^2	: 140°C
Rated voltage	: 0,6/1 kV
Min. bending radius	: 15 x D
D	: Cable outer diameter

Application

Indoor and outdoor applications, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

1. Stranded copper conductors
2. PVC insulation
3. Thermoplastic filler
4. Galvanized double steel tape
5. 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)	
mm²	mm	kg/km	m	Ω/km	In ground at 20°C	In air at 30°C
3x16+10	23,0	1200	1000	1,15	98	80
3x25+16	26,5	1700	1000	0,727	128	106
3x35+16	28,0	2050	1000	0,524	157	131
3x50+25	32,0	2750	1000	0,387	185	159
3x70+35	36,5	3700	1000	0,268	228	202
3x95+50	42,0	5200	500	0,193	275	244
3x120+70	46,5	6400	500	0,153	313	282
3x150+70	50,0	7500	500	0,124	353	324
3x185+95	55,5	9250	500	0,0991	399	371
3x240+120	62,5	11800	250	0,0754	464	436
3x300+150	70,0	14500	250	0,0601	524	481
3x400+185	79,0	18700	250	0,0470	600	560

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