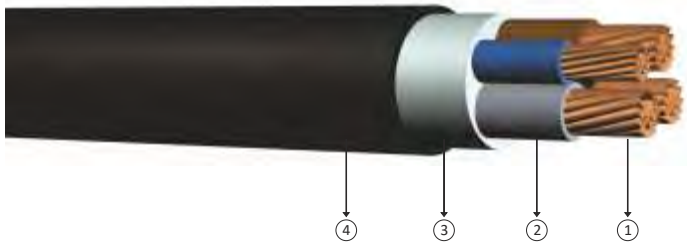


0,6/1 kV PVC insulated, multi-core cables, with copper conductor



Code: YVV-R, CU/PVC/PVC, NYY

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	: 12 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 no risk of mechanical damage.

Construction

- ① Stranded copper conductor
- ② PVC 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	21,5	970	1000	1,15	98	80
3x25+16	25,0	1400	1000	0,727	128	106
3x35+16	27,0	1750	1000	0,524	157	131
3x50+25	31,0	2400	1000	0,387	185	159
3x70+35	35,0	3300	1000	0,268	228	202
3x95+50	40,0	4400	1000	0,193	275	244
3x120+70	44,5	5550	500	0,153	313	282
3x150+70	48,0	6550	500	0,124	353	324
3x185+95	53,0	8200	500	0,0991	399	371
3x240+120	60,5	10600	500	0,0754	464	436
3x300+150	68,0	13100	250	0,0601	524	481
3x400+185	76,0	17000	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