



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

U: Solid Conductor
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 mm² : 160°C
 Cross section > 300 mm² : 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 Solid or 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
4x1,5	11,6	235	1000	12,1	26	18.5
4x2,5	12,6	270	1000	7,41	34	25
4x4	14,8	400	1000	4,61	44	34
4x6	16,0	520	1000	3,08	56	43
4x10	18,0	690	1000	1,83	75	60
4x16	21,5	1050	1000	1,15	98	80
4x25	26,0	1550	1000	0,727	128	106
4x35	28,5	2000	1000	0,524	157	131
4x50	33,0	2750	1000	0,387	185	159
4x70	37,5	3750	1000	0,268	228	202
4x95	42,5	5000	1000	0,193	275	244
4x120	46,5	6200	500	0,153	313	282
4x150	51,5	7600	500	0,124	353	324
4x185	57,0	9450	500	0,0991	399	371
4x240	65,0	12200	500	0,0754	464	436
4x300	73,0	15200	250	0,0601	524	481
4x400	79,0	19500	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