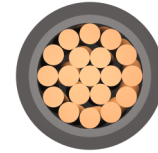


0.6/1 kV PVC insulated, single core cables with copper conductor



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

U: Solid Conductor

R: Stranded Conductor Rigid

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

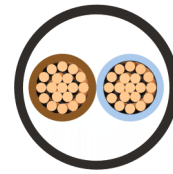
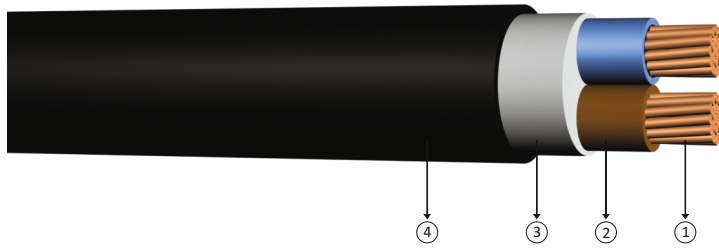
Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 PVC outer jacket

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	ohm/km	In ground at 20 °C		In air at 30 °C	
					***	**	***	**
1x1,5	5,8	50	1000	12,1	-	30	25	20
1x2,5	6,2	60	1000	7,41	-	39	34	27
1x4	7,0	85	1000	4,61	-	50	45	37
1x6	7,5	105	1000	3,08	-	62	57	48
1x10	9,0	160	1000	1,83	-	83	78	66
1x16	10,0	215	1000	1,15	127	107	103	89
1x25	11,5	320	1000	0,727	163	137	137	118
1x35	12,5	420	1000	0,524	195	165	169	145
1x50	14,0	570	1000	0,387	230	195	206	176
1x70	15,5	780	1000	0,268	282	239	261	224
1x95	18,0	1050	1000	0,193	336	287	321	271
1x120	19,5	1300	1000	0,153	382	326	374	314
1x150	21,0	1600	1000	0,124	428	366	428	361
1x185	23,5	1950	1000	0,0991	483	414	494	412
1x240	27,0	2550	1000	0,0754	561	481	590	484
1x300	30,5	3150	1000	0,0601	632	542	678	549
1x400	34,0	4200	1000	0,0470	730	624	817	657
1x500	37,0	5200	1000	0,0366	823	698	940	749
1x630	42,0	6450	500	0,0283	866	775	1042	858

Note
 In ground : Current carrying capacities are valid under the following conditions;
 : 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
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1



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

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Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature : 70 °C
 Max. short circuit temperature : 160 °C (max. 5 sec.)
 Rated voltage : 0.6/1 kV
 Min. bending radius : 12 x D
 D : Cable outer diameter

Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

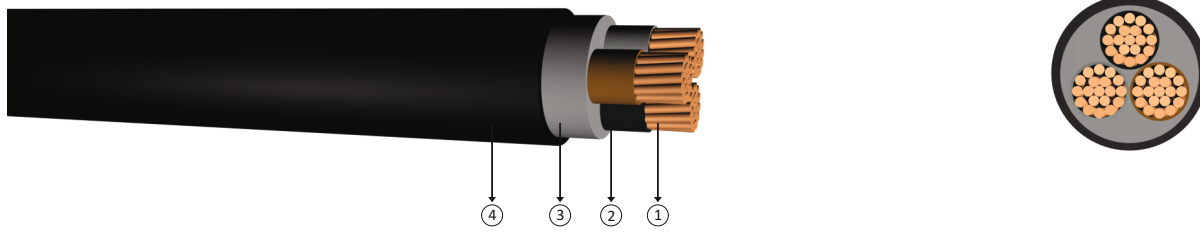
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 PVC outer jacket

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	ohm/km	In ground at 20 °C	In air at 30 °C
2x1,5	10,5	165	1000	12,1	32	20
2x2,5	11,2	215	1000	7,41	42	27
2x4	13,0	300	1000	4,61	54	37
2x6	14,0	350	1000	3,08	68	48
2x10	15,5	500	1000	1,83	90	66
2x16	18,5	675	1000	1,15	116	89
2x25	22,5	1000	1000	0,727	150	118
2x35	24,5	1250	1000	0,524	181	145
2x50	27,5	1650	1000	0,387	215	176
2x70	31,0	2200	1000	0,268	264	224
2x95	35,5	2950	1000	0,193	317	271
2x120	39,0	3650	1000	0,153	360	314
2x150	43,0	4450	1000	0,124	406	361
2x185	48,0	5550	500	0,0991	458	412
2x240	54,0	7150	500	0,0754	537	484
2x300	61,5	9000	500	0,0601	604	556

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

0.6/1 kV PVC insulated, multi-core cables with copper conductor



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

U: Solid Conductor
R: Stranded Conductor Rigid

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
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Application

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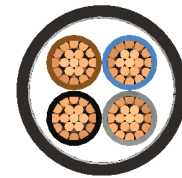
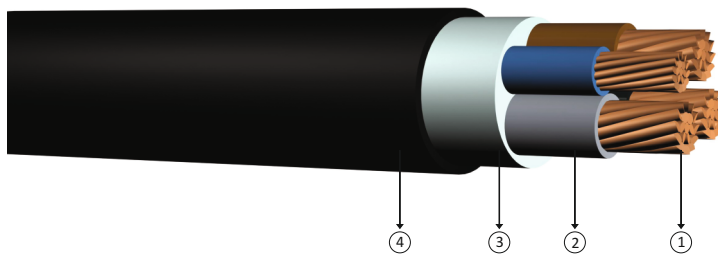
Construction

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- 3 Filler
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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	ohm/km	In ground at 20 °C	In air at 30 °C
3x1,5	11,0	200	1000	12,1	26	18,5
3x2,5	11,8	230	1000	7,41	34	25
3x4	13,6	340	1000	4,61	44	34
3x6	15,5	425	1000	3,08	56	43
3x10	17,5	620	1000	1,83	75	60
3x16	19,5	835	1000	1,15	98	80
3x25	24,0	1250	1000	0,727	128	106
3x35	26,0	1600	1000	0,524	157	131
3x50	29,5	2100	1000	0,387	185	159
3x70	33,5	2900	1000	0,268	228	202
3x95	38,0	3900	1000	0,193	275	244
3x120	42,0	4800	1000	0,153	313	282
3x150	46,0	5900	500	0,124	353	324
3x185	51,0	7300	500	0,0991	399	371
3x240	58,0	9450	500	0,0754	464	436
3x300	65,0	11800	250	0,0601	524	481
3x400	71,0	15500	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

0.6/1 kV PVC insulated, multi-core cables with copper conductor



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Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

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 Cross section < 300 mm² : 160/1 kV
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Application

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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	ohm/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