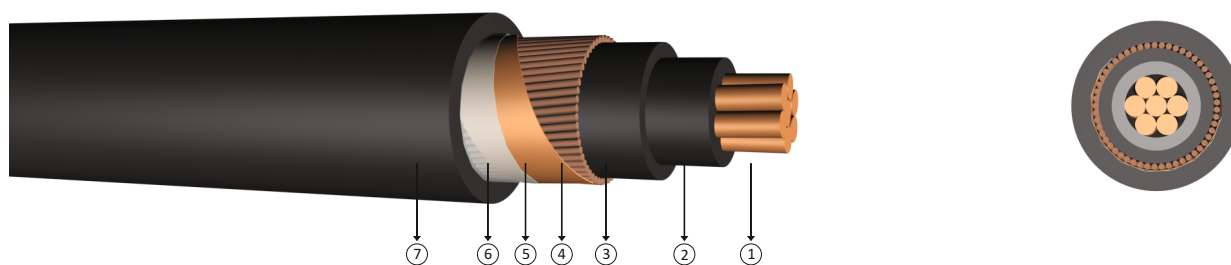




0.6/1 kV PVC Insulated, concentric conductor screen, single core cables with copper conductor



Code: YVCV-U, YVCV-R, CU/PVC/SC/PVC,NYCY

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 : 160 °C (max. 5 sec.)
 Rated voltage : 0.6/1 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

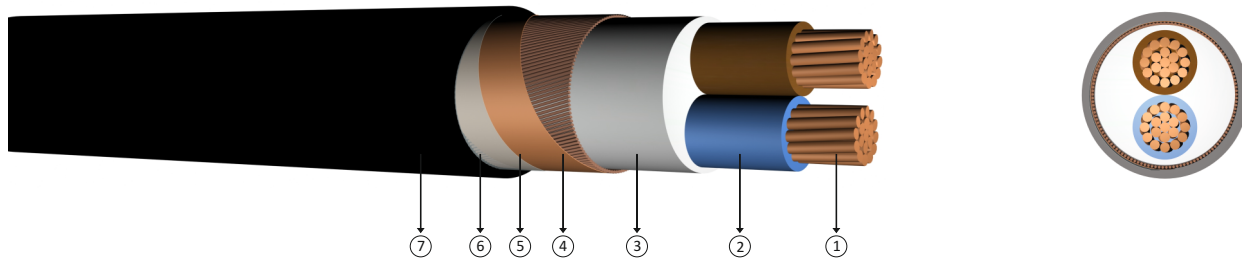
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 PVC inner sheath
- 4 Concentric copper wire
- 5 Copper tape as binder
- 6 Polyester tape
- 7 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	
					***	**	***	**
1x1,5/1,5	10,5	145	1000	12,1	-	30	25	20
1x2,5/2,5	11,0	150	1000	7,41	-	39	34	27
1x4/4	12,0	200	1000	4,61	-	50	45	37
1x6/6	12,5	250	1000	3,08	-	62	57	48
1x10/10	13,5	350	1000	1,83	-	83	78	66
1x16/16	15,0	450	1000	1,15	127	107	103	89
1x25/16	16,5	600	1000	0,727	163	137	137	118
1x35/16	17,5	700	1000	0,524	195	165	169	145
1x50/25	19,0	950	1000	0,387	230	195	206	176
1x70/35	21,0	1250	1000	0,268	282	239	261	224
1x95/50	23,5	1650	1000	0,193	336	287	321	271
1x120/70	25,5	2100	1000	0,153	382	326	374	314
1x150/70	27,0	2400	1000	0,124	428	366	428	361
1x185/95	30,0	3000	1000	0,0991	483	414	494	412
1x240/120	33,5	3850	1000	0,0754	561	481	590	484

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
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 ** : Trefoil formation
 Number of system : 1

0.6/1 kV PVC Insulated, concentric conductor screen, multi-core cables with copper conductor



Code: YVCV-U, YVCV-R, CU/PVC/SC/PVC, NYCY

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 : 160 °C (max. 5 sec.)
Rated voltage : 0.6/1 kV
Min. bending radius : 15 x D
D : Cable outer diameter

Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

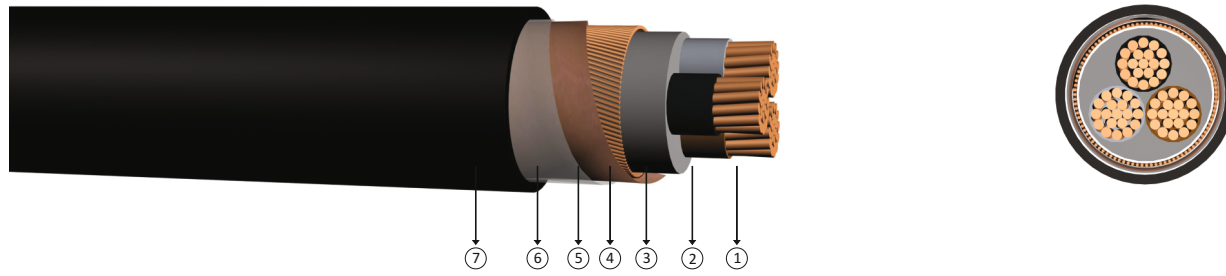
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder
- 6 Polyester tape
- 7 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
2x1,5/1,5	13,0	240	1000	12,1	32	20
2x2,5/2,5	13,5	250	1000	7,41	42	27
2x4/4	15,5	280	1000	4,61	54	37
2x6/6	16,5	420	1000	3,08	68	48
2x10/10	19,0	600	1000	1,83	90	66
2x16/16	21,0	850	1000	1,15	116	89
2x25/16	24,0	1150	1000	0,727	150	118
2x35/16	26,0	1400	1000	0,524	181	145
2x50/25	29,0	1900	1000	0,3870	215	176
2x70/35	32,5	2550	1000	0,268	264	224
2x95/50	37,5	3450	1000	0,193	317	271
2x120/70	41,5	4300	1000	0,153	360	314
2x150/70	45,0	5100	500	0,124	406	361
2x185/95	50,5	6450	500	0,0991	458	412
2x240/120	57,0	8300	500	0,0754	537	484

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, concentric conductor screen, multi-core cables with copper conductor



Code: YVCV-U, YVCV-R, CU/PVC/SC/PVC/,NYCY

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 : 160 °C (max. 5 sec.)
 Rated voltage : 0.6/1 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

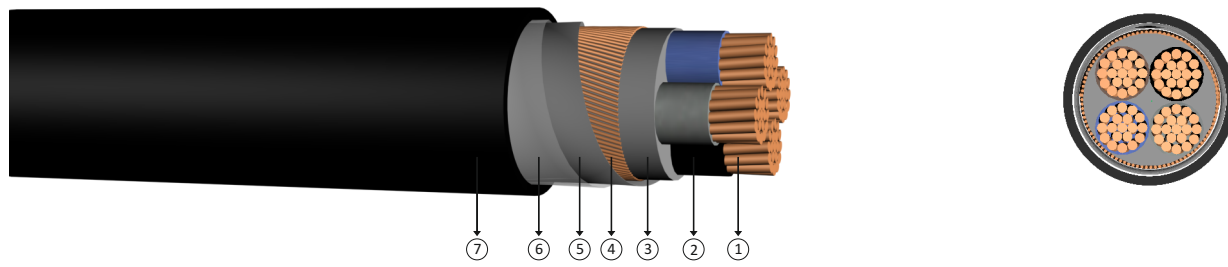
Construction

- ① Solid or stranded copper conductor ③ Filler ⑤ Copper tape as binder ⑦ PVC outer jacket
- ② PVC insulation ④ Concentric copper wire ⑥ Polyester tape

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
3x1,5/1,5	14,0	240	1000	12,1	26	18.5
3x2,5/2,5	15,0	300	1000	7,410	34	25
3x4/4	17,0	420	1000	4,610	44	34
3x6/6	17,5	530	1000	3,080	56	43
3x10/10	20,0	730	1000	1,830	75	60
3x16/16	22,0	1000	1000	1,150	98	80
3x25/16	25,5	1400	1000	0,727	128	106
3x35/16	27,5	1750	1000	0,524	157	131
3x50/25	31,0	2350	1000	0,387	185	159
3x70/35	35,0	3200	1000	0,268	228	202
3x95/50	39,5	4300	1000	0,193	275	244
3x120/70	43,5	5350	500	0,153	313	282
3x150/70	47,5	6450	500	0,124	353	324
3x185/95	52,0	8000	500	0,0991	399	371
3x240/120	59,5	10350	250	0,0754	464	436
3x300/150	66,5	12850	250	0,0601	524	481
3x400/185	78,0	17300	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, concentric conductor screen, multi-core cables with copper conductor



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Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

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Rated voltage : 0.6/1 kV
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D : Cable outer diameter

Application

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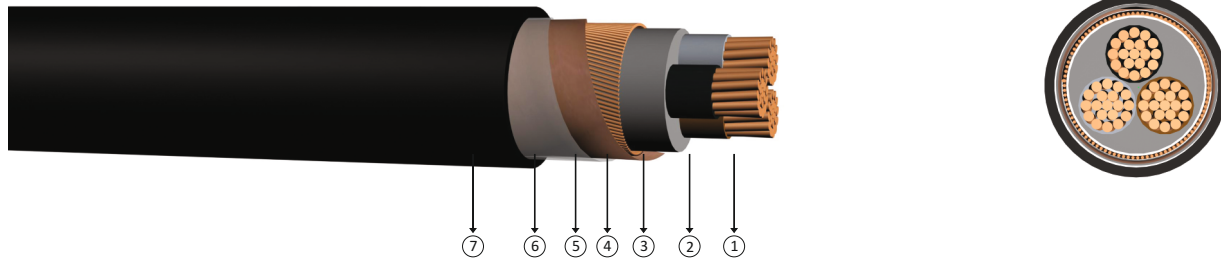
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder
- 6 Polyester tape
- 7 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
4x1,5/1,5	14,5	290	1000	12,1	26	18.5
4x2,5/2,5	15,5	350	1000	7,41	34	25
4x4/4	17,5	490	1000	4,61	44	34
4x6/6	18,5	600	1000	3,08	56	43
4x10/10	22,0	890	1000	1,83	75	60
4x16/10	24,0	1200	1000	1,15	98	80
4x25/16	28,0	1750	1000	0,727	128	106
4x35/16	30,0	2200	1000	0,524	157	131
4x50/25	34,0	3000	1000	0,387	185	159
4x70/35	39,0	4050	1000	0,268	228	202
4x95/50	46,0	5500	500	0,193	275	244
4x120/70	50,0	6900	500	0,153	313	282
4x150/70	54,0	8300	500	0,124	353	324
4x185/95	61,0	10400	250	0,0991	399	371
4x240/120	69,0	13300	250	0,0754	464	436
4x300/150	74,0	16300	250	0,0601	524	481
4x400/185	83,0	20500	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

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Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder. (100% overlap)
- 6 Polyester ban
- 7 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
2x1,5/9	13,0	270	1000	12,1	32	20
2x2,5/9	13,5	320	1000	7,41	42	27
2x4/9	15,5	420	1000	4,61	54	37
2x6/9	16,5	490	1000	3,08	68	48
2x10/9	19,0	670	1000	1,83	90	66
3x1,5/9	14,0	300	1000	12,1	26	18,5
3x2,5/9	15,0	360	1000	7,41	34	25
3x4/9	17,0	480	1000	4,61	44	34
3x6/9	18,5	590	1000	3,08	56	43
3x10/9	20,0	720	1000	1,83	75	60
4x1,5/9	14,5	350	1000	12,1	26	18,5
4x2,5/9	15,5	410	1000	7,41	34	25
4x4/9	17,5	550	1000	4,61	44	34
4x6/9	18,5	660	1000	3,08	56	43
4x10/9	22,0	880	1000	1,83	75	60
5x1,5/9	15,0	360	1000	12,1	26	18,5
5x2,5/9	16,0	440	1000	7,41	34	25
5x4/9	18,0	600	1000	4,61	44	34

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