

catalog | **I-VOLT**[®]
low voltage Electrical Cables
0.6/1 kV | PVC Insulated
// Copper Conductor



// 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. Fine-stranded copper conductor.
2. PVC insulation.
3. PVC outer jacket.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section <300 mm : 160°C (max. 5 sec.)
Cross section >300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 15 x D

D = Cable outer diameter

// Standards

IEC 60502-1 | VDE 0276

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1	-	-	25	20	1x1.5	5.8	50	1000
7.410	-	-	34	27	1x2.5	6.2	60	1000
4.610	-	-	45	37	1x4	7.0	85	1000
3.080	-	-	57	48	1x6	7.5	105	1000
1.830	-	-	78	66	1x10	9.0	160	1000
1.150	127	107	103	89	1x16	10.0	215	1000
0.727	163	137	137	118	1x25	11.5	320	1000
0.524	195	165	169	145	1x35	12.5	420	1000
0.387	230	195	206	176	1x50	14.0	570	1000
0.268	282	239	261	224	1x70	15.5	780	1000
0.193	336	297	321	271	1x95	18.0	1050	1000
0.153	382	326	374	314	1x120	19.5	1300	1000
0.124	428	366	428	361	1x150	21.0	1600	1000
0.0991	483	414	494	412	1x185	23.5	1950	1000
0.0754	561	481	590	484	1x240	27.0	2550	1000
0.0601	632	542	678	549	1x300	30.5	3150	1000
0.0470	730	624	817	657	1x400	34.0	4200	1000
0.0366	823	698	940	749	1x500	39.0	5200	1000
0.0283	866	775	1108	920	1x630	42.0	6450	500



Laying / Installation method:

Linear |
 Triangular |



// 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. Filter
4. PVC outer jacket.

// Cable Summary

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

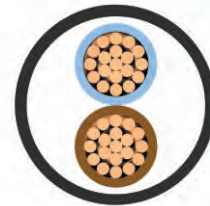
// Standards

IEC 60502 | VDE 0276

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

U: Solid Conductor
R: Stranded conductor

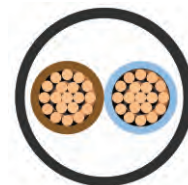


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1000	32	-	-	20	2x1.5	11.2	180	1000
7.4100	42	-	-	27	2x2.5	12.0	215	1000
4.6100	54	-	-	37	2x4	14.0	300	1000
3.0800	68	-	-	48	2x6	15.0	350	1000
1.8300	90	-	-	66	2x10	17.5	500	1000
1.1500	116	-	-	89	2x16	19.5	675	1000
0.7270	150	-	-	118	2x25	22.5	1000	1000
0.5240	181	-	-	145	2x35	24.5	1250	1000
0.3870	215	-	-	176	2x50	27.5	1650	1000
0.2680	264	-	-	224	2x70	31.0	2200	1000
0.1930	317	-	-	271	2x95	35.5	2950	1000
0.1530	360	-	-	314	2x120	39.0	3650	1000
0.1240	406	-	-	361	2x150	43.0	4450	1000
0.0991	458	-	-	412	2x185	48.0	5550	500
0.0754	537	-	-	484	2x240	54.0	7150	500
0.0601	604	-	-	556	2x300	61.5	9000	500
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○



// 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. Filter
4. PVC outer jacket.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section <300 mm : 160°C (max. 5 sec.)
Cross section >300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

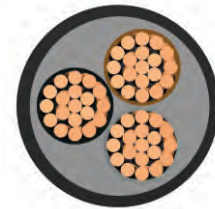
// Standards

IEC 60502 | VDE 0276

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

U: Solid Conductor
R: Stranded conductor

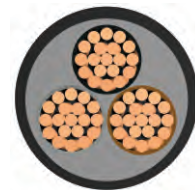


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1000	26	-	-	18.5	3x1.5	12.0	200	1000
7.4100	34	-	-	25	3x2.5	13.0	250	1000
4.6100	44	-	-	34	3x4	14.5	340	1000
3.0800	56	-	-	43	3x6	15.5	425	1000
1.8300	75	-	-	60	3x10	18.5	620	1000
1.1500	98	-	-	80	3x16	20.5	835	1000
0.7270	128	-	-	106	3x25	24.0	1250	1000
0.5240	157	-	-	131	3x35	26.0	1600	1000
0.3870	185	-	-	159	3x50	29.5	2100	1000
0.2680	228	-	-	202	3x70	33.5	2900	1000
0.1930	275	-	-	244	3x95	38.0	3900	1000
0.1530	313	-	-	282	3x120	42.0	4800	1000
0.1240	353	-	-	324	3x150	46.0	5900	500
0.0991	399	-	-	371	3x185	51.0	7300	500
0.0754	464	-	-	436	3x240	58.0	9450	500
0.0601	524	-	-	481	3x300	65.0	11800	250
0.0470	600	-	-	560	3x400	71.0	15500	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// 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. Filter
4. PVC outer jacket.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section <300 mm : 160°C (max. 5 sec.)
Cross section >300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

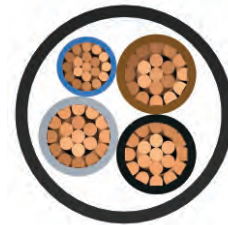
// Standards

IEC 60502 | VDE 0276

// Code

YV-U | YV-R | CU/PVC/PVC | NYU

U: Solid Conductor
R: Stranded conductor

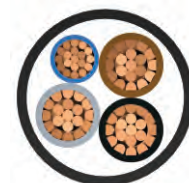


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1000	26	-	-	18.5	4x1.5	12.5	235	1000
7.4100	34	-	-	25	4x2.5	13.5	300	1000
4.6100	44	-	-	34	4x4	15.5	400	1000
3.0800	56	-	-	43	4x6	17.0	420	1000
1.8300	75	-	-	60	4x10	20.0	765	1000
1.1500	98	-	-	80	4x16	22.5	1050	1000
0.7270	128	-	-	106	4x25	26.0	1550	1000
0.5240	157	-	-	131	4x35	28.5	2000	1000
0.3870	185	-	-	159	4x50	33.0	2750	1000
0.2680	228	-	-	202	4x70	37.5	3750	1000
0.1930	275	-	-	244	4x95	42.5	5000	1000
0.1530	313	-	-	282	4x120	46.5	6200	1000
0.1240	353	-	-	324	4x150	51.5	7600	500
0.0991	399	-	-	371	4x185	57.0	9450	500
0.0754	464	-	-	436	4x240	65.0	12200	500
0.0601	524	-	-	481	4x300	73.0	15200	250
0.0470	600	-	-	560	4x400	79.0	19500	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// 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. Filter
4. PVC outer jacket.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section <300 mm : 160°C (max. 5 sec.)
Cross section >300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

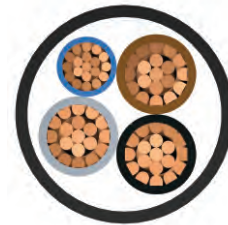
// Standards

IEC 60502 | VDE 0276

// Code

YV-R | CU/PVC/PVC | NYV

R: Stranded conductor

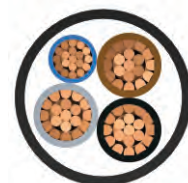


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
1.1500	98	-	-	80	3x16+10	21.5	970	1000
0.7270	128	-	-	106	3x25+16	25.0	1400	1000
0.5240	157	-	-	131	3x35+16	27.0	1750	1000
0.3870	158	-	-	159	3x50+25	31.0	2400	1000
0.2680	228	-	-	202	3x70+35	35.0	3300	1000
0.1930	275	-	-	244	3x95+50	40.0	4400	1000
0.1530	313	-	-	282	3x120+70	44.5	5550	500
0.1240	353	-	-	324	3x150+70	48.0	6550	500
0.0991	399	-	-	371	3x185+95	53.0	8200	500
0.0754	464	-	-	436	3x240+120	60.5	10600	500
0.0601	524	-	-	481	3x300+150	68.0	13100	250
0.0470	600	-	-	560	3x400+185	76.0	17000	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○



// Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is no risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. PVC outer jacket.

// Cable Summary

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

// Standards

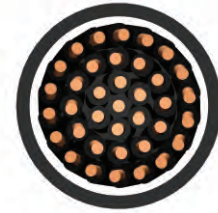
IEC 60502 | VDE 0271

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

U: Solid Conductor

R: Stranded conductor

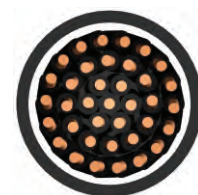


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.100	18.2	-	-	14.0	5x1.5	13.5	270	1000
12.100	16.9	-	-	13.0	6x1.5	14.5	320	1000
12.100	15.6	-	-	12.0	7x1.5	14.5	325	1000
12.100	14.3	-	-	11.1	8x1.5	16.0	385	1000
12.100	13.0	-	-	10.2	10x1.5	17.5	475	1000
12.100	12.3	-	-	9.7	12x1.5	18.0	515	1000
12.100	11.7	-	-	9.3	14x1.5	18.5	565	1000
12.100	11.1	-	-	8.8	16x1.5	19.5	630	1000
12.100	10.4	-	-	8.3	19x1.5	20.5	700	1000
12.100	9.9	-	-	8.0	21x1.5	21.5	775	1000
12.100	9.1	-	-	7.4	24x1.5	23.5	920	1000
12.100	8.8	-	-	7.2	27x1.5	24.0	975	1000
12.100	8.6	-	-	7.0	30x1.5	24.5	1050	1000
12.100	8.1	-	-	6.7	37x1.5	26.5	1230	1000
12.100	7.8	-	-	6.5	40x1.5	27.5	1330	1000
12.100	7.3	-	-	6.1	48x1.5	30.0	1600	1000
12.100	6.7	-	-	5.8	52x1.5	31.0	1730	1000
12.100	6.5	-	-	5.6	61x1.5	33.0	1975	1000
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is no risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. PVC outer jacket.

// Cable Summary

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

// Standards

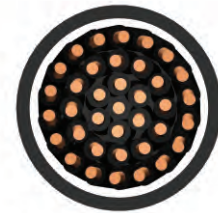
IEC 60502 | VDE 0271

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

U: Solid Conductor

R: Stranded conductor

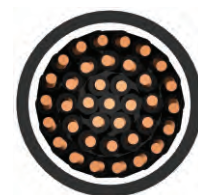


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
7.410	23.8	-	-	18.8	5x2.5	14.5	350	1000
7.410	22.1	-	-	17.5	6x2.5	15.5	410	1000
7.410	20.4	-	-	16.3	7x2.5	16.0	415	1000
7.410	18.7	-	-	15.0	8x2.5	17.0	500	1000
7.410	17.0	-	-	13.8	10x2.5	19.0	595	1000
7.410	16.2	-	-	13.1	12x2.5	19.5	650	1000
7.410	15.3	-	-	12.5	14x2.5	20.5	730	1000
7.410	14.5	-	-	11.9	16x2.5	21.5	825	1000
7.410	13.6	-	-	11.3	19x2.5	22.5	920	1000
7.410	12.9	-	-	10.8	21x2.5	23.5	1010	1000
7.410	11.9	-	-	10.0	24x2.5	26.0	1190	1000
7.410	11.6	-	-	9.7	27x2.5	26.5	1280	1000
7.410	11.2	-	-	9.4	30x2.5	27.0	1380	1000
7.410	10.6	-	-	9.1	37x2.5	29.5	1660	1000
7.410	10.2	-	-	8.8	40x2.5	30.5	1800	1000
7.410	9.5	-	-	8.3	48x2.5	34.0	2135	1000
7.410	8.9	-	-	7.8	52x2.5	34.5	2320	1000
7.410	8.5	-	-	7.5	61x1.5	37.0	2630	1000
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. Galvanized round steel wires.
5. Polyester tape.
4. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm² : 160°C (max. 5 sec.)
Cross section > 300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

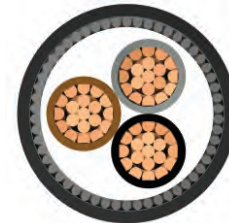
// Standards

IEC 60502 | VDE 0271 | BS 6346

// Code

YVZ2V-U | YVZ2V-R | CU/PVC/SWA/PVC | NYRY

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1000	26	-	-	18.5	3x1.5	14.0	350	1000
7.4100	34	-	-	25	3x2.5	15.0	420	1000
4.6100	44	-	-	34	3x4	17.5	670	1000
3.0800	56	-	-	43	3x6	18.5	780	1000
1.8300	75	-	-	60	3x10	21.5	1050	1000
1.1500	98	-	-	80	3x16	23.5	1300	1000
0.7270	128	-	-	106	3x25	27.5	1950	1000
0.5240	157	-	-	131	3x35	29.5	2350	1000
0.3870	185	-	-	159	3x50	33.5	3050	1000
0.2680	228	-	-	202	3x70	38.0	4200	1000
0.1930	275	-	-	244	3x95	43.0	5350	500
0.1530	313	-	-	282	3x120	46.5	6400	500
0.1240	353	-	-	324	3x150	52.0	8150	500
0.0991	399	-	-	371	3x185	57.0	9750	500
0.0754	464	-	-	436	3x240	64.0	12250	250
0.0601	524	-	-	481	3x300	72.0	15000	250
0.0470	600	-	-	560	3x400	82.0	20000	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. Galvanized round steel wires.
5. Polyester tape.
4. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm² : 160°C (max. 5 sec.)
Cross section > 300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

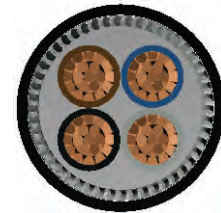
// Standards

IEC 60502 | VDE 0271 | BS 6346

// Code

YVZ2V-U | YVZ2V-R | CU/PVC/SWA/PVC | NYRY

U: Solid Conductor
R: Stranded conductor

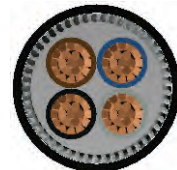


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.1000	26	-	-	18.5	4x1.5	15.0	400	1000
7.4100	34	-	-	25	4x2.5	15.5	480	1000
4.6100	44	-	-	34	4x4	18.5	770	1000
3.0800	56	-	-	43	4x6	20.0	900	1000
1.8300	75	-	-	60	4x10	23.0	1200	1000
1.1500	98	-	-	80	4x16	26.0	1700	1000
0.7270	128	-	-	106	4x25	29.5	2300	1000
0.5240	157	-	-	131	4x35	32.5	2870	1000
0.3870	185	-	-	159	4x50	37.5	4000	1000
0.2680	228	-	-	202	4x70	41.5	5150	500
0.1930	275	-	-	244	4x95	48.0	7050	500
0.1530	313	-	-	282	4x120	52.5	8450	500
0.1240	353	-	-	324	4x150	57.0	10050	250
0.0991	399	-	-	371	4x185	63.0	12150	250
0.0754	464	-	-	436	4x240	70.5	15300	250
0.0601	524	-	-	481	4x300	79.0	18700	250
0.0470	600	-	-	560	4x400	90.0	25000	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○



// Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized round steel wires.
5. Polyester tape.
4. PVC outer jacket.

// Cable Summary

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

// Standards

IEC 60502 | VDE 0271 | BS 6346

// Code

YVZ2V-U | YVZ2V-U | CU/PVC/SWA/PVC | NYRY

U: Solid Conductor

R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
12.100	18.2	-	-	14.0	5x1.5	15.5	460	1000
12.100	16.9	-	-	13.0	6x1.5	16.5	520	1000
12.100	15.6	-	-	12.0	7x1.5	16.5	530	1000
12.100	14.3	-	-	11.1	8x1.5	18.5	740	1000
12.100	13.0	-	-	10.2	10x1.5	20.5	870	1000
12.100	12.3	-	-	9.7	12x1.5	21.0	920	1000
12.100	11.7	-	-	9.3	14x1.5	21.5	1000	1000
12.100	11.1	-	-	8.8	16x1.5	22.5	1100	1000
12.100	10.4	-	-	8.3	19x1.5	24.0	1300	1000
12.100	9.9	-	-	8.0	21x1.5	25.0	1400	1000
12.100	9.1	-	-	7.4	24x1.5	27.0	1600	1000
12.100	8.8	-	-	7.2	27x1.5	27.5	1700	1000
12.100	8.6	-	-	7.0	30x1.5	28.0	1800	1000
12.100	8.1	-	-	6.7	37x1.5	30.0	2050	1000
12.100	7.8	-	-	6.5	40x1.5	31.0	2150	1000
12.100	7.3	-	-	6.1	48x1.5	34.5	2750	1000
12.100	6.7	-	-	5.8	52x1.5	36.0	2950	1000
12.100	6.5	-	-	5.6	61x1.5	37.5	3250	1000
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○



// Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized round steel wires.
5. Polyester tape.
4. PVC outer jacket.

// Cable Summary

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

// Standards

IEC 60502 | VDE 0271 | BS 6346

// Code

YVZ2V-U | YVZ2V-R | CU/PVC/SWA/PVC | NYRY

U: Solid Conductor

R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Duct @ 20 °C	in Air @ 30 °C				
7.410	23.8	-	-	18.8	5x2.5	16.5	550	1000
7.410	22.1	-	-	17.5	6x2.5	18.5	750	1000
7.410	20.4	-	-	16.3	7x2.5	19.0	760	1000
7.410	18.7	-	-	15.0	8x2.5	20.0	880	1000
7.410	17.0	-	-	13.8	10x2.5	22.0	1050	1000
7.410	16.2	-	-	13.1	12x2.5	22.5	1100	1000
7.410	15.3	-	-	12.5	14x2.5	24.0	1350	1000
7.410	14.5	-	-	11.9	16x2.5	25.0	1500	1000
7.410	13.6	-	-	11.3	19x2.5	26.0	1600	1000
7.410	12.9	-	-	10.8	21x2.5	27.0	1750	1000
7.410	11.9	-	-	10.0	24x2.5	29.5	2000	1000
7.410	11.6	-	-	9.7	27x2.5	30.0	2100	1000
7.410	11.2	-	-	9.4	30x2.5	31.0	2250	1000
7.410	10.6	-	-	9.1	37x2.5	33.0	2600	1000
7.410	10.2	-	-	8.8	40x2.5	35.0	3000	1000
7.410	9.5	-	-	8.3	48x2.5	38.5	3550	1000
7.410	8.9	-	-	7.8	52x2.5	39.5	3700	1000
7.410	8.5	-	-	7.5	61x1.5	41.5	4150	1000
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// 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 screen.
5. Copper tape as binder.
6. Polyester tape.
7. PVC outer sheath.

// Cable Summary

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

// Standards

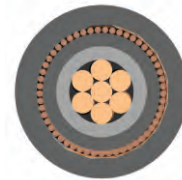
IEC 60502 | VDE 0276

// Code

YVCV-U | YVCV-R | CU/PVC/SC/PVC | NYCY

U: Solid Conductor

R: Stranded conductor

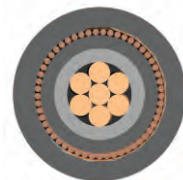


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
12.100	-	-	25	20	1x1.5/1.5	10.5	120	1000
7.4100	-	-	34	27	1x2.5/2.5	11.0	150	1000
4.6100	-	-	45	37	1x4/4	12.0	200	1000
3.0800	-	-	57	48	1x6/6	12.5	250	1000
1.8300	-	-	78	66	1x10/10	13.5	350	1000
1.1500	127	107	103	89	1x16/16	15.0	450	1000
0.7270	163	137	137	118	1x25/16	16.5	600	1000
0.5240	195	165	169	145	1x35/16	17.5	700	1000
0.3870	230	195	206	176	1x50/25	19.0	950	1000
0.2680	282	239	261	224	1x70/35	21.0	1250	1000
0.1930	336	287	321	271	1x95/50	23.5	1650	1000
0.1530	382	326	374	314	1x120/70	25.5	2100	1000
0.1240	428	366	428	261	1x150/70	27.0	2400	1000
0.0991	483	414	494	412	1x185/95	30.0	3000	1000
0.0754	561	481	590	484	1x240/120	33.5	3850	1000
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○



// 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 screen.
5. Copper tape as binder.
6. Polyester tape.
7. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm² : 160°C (max. 5 sec.)
Cross section > 300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

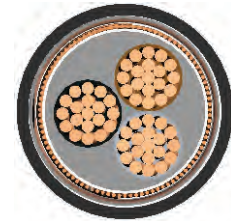
// Standards

IEC 60502 | VDE 0276

// Code

YVCV-U | YVCV-R | CU/PVC/SC/PVC | NYCY

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
12.100	-	-	-	-	1x1.5/1.5	14.0	240	1000
7.4100	-	-	-	-	1x2.5/2.5	15.0	300	1000
4.6100	-	-	-	-	1x4/4	17.0	420	1000
3.0800	-	-	-	-	1x6/6	18.5	530	1000
1.8300	-	-	-	-	1x10/10	20.0	730	1000
1.1500	127	-	-	107	1x16/16	22.0	1000	1000
0.7270	163	-	-	137	1x25/16	25.5	1400	1000
0.5240	195	-	-	165	1x35/16	27.5	1750	1000
0.3870	230	-	-	195	1x50/25	31.0	2350	1000
0.2680	282	-	-	239	1x70/35	35.0	3200	1000
0.1930	336	-	-	287	1x95/50	39.5	4300	1000
0.1530	382	-	-	326	1x120/70	43.5	5350	500
0.1240	428	-	-	366	1x150/70	47.5	6450	500
0.0991	483	-	-	414	1x185/95	52.0	8000	500
0.0754	561	-	-	481	1x240/120	59.5	10350	250
0.0601	524	-	-	481	3x300/150	66.5	12850	250
0.0470	600	-	-	560	3x400/185	78.0	17300	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. Galvanized round steel wires.
5. Polyester tape.
4. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm : 160°C (max. 5 sec.)
Cross section > 300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

// Standards

IEC 60502 | VDE 0271

// Code

YVZ4V-U | YVZ4V-R | CU/PVC/STA/PVC | NYBY

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
12.1000	26	-	-	18.5	3x1.5	13.0	320	1000
7.4100	34	-	-	25	3x2.5	14.0	380	1000
4.6100	44	-	-	34	3x4	16.0	500	1000
3.0800	56	-	-	43	3x6	17.0	600	1000
1.8300	75	-	-	60	3x10	19.5	800	1000
1.1500	98	-	-	80	3x16	21.5	1050	1000
0.7270	128	-	-	106	3x25	25.0	1500	1000
0.5240	157	-	-	131	3x35	27.0	1850	1000
0.3870	185	-	-	159	3x50	31.0	2450	1000
0.2680	228	-	-	202	3x70	35.0	3300	1000
0.1930	275	-	-	244	3x95	40.5	4650	1000
0.1530	313	-	-	282	3x120	44.0	5600	500
0.1240	353	-	-	324	3x150	48.5	6800	500
0.0991	399	-	-	371	3x185	53.5	8300	500
0.0754	464	-	-	436	3x240	60.5	10600	250
0.0601	524	-	-	481	3x300	68.0	13000	250
0.0470	600	-	-	560	3x400	77.0	17000	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear |
 Triangular |



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. Galvanized double steel tape armor.
5. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm : 160°C (max. 5 sec.)
Cross section > 300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

// Standards

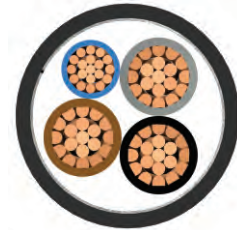
IEC 60502 | VDE 0271

// Code

YVZ4V-U | YVZ4V-R | CU/PVC/STA/PVC | NYBY

U: Solid Conductor

R: Stranded conductor

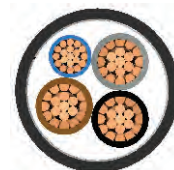


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
12.1000	26	-	-	18.5	4x1.5	14.0	360	1000
7.4100	34	-	-	25	4x2.5	15.0	440	1000
4.6100	44	-	-	34	4x4	17.0	580	1000
3.0800	56	-	-	43	4x6	18.0	700	1000
1.8300	75	-	-	60	4x10	21.0	980	1000
1.1500	98	-	-	80	4x16	23.5	1300	1000
0.7270	128	-	-	106	4x25	27.0	1850	1000
0.5240	157	-	-	131	4x35	29.5	2350	1000
0.3870	185	-	-	159	4x50	34.0	3100	1000
0.2680	228	-	-	202	4x70	39.0	4450	1000
0.1930	275	-	-	244	4x95	44.5	5800	500
0.1530	313	-	-	282	4x120	49.0	7100	500
0.1240	353	-	-	324	4x150	53.5	8600	500
0.0991	399	-	-	371	4x185	59.0	10500	250
0.0754	464	-	-	436	4x240	67.0	13400	250
0.0601	524	-	-	481	4x300	75.5	16600	250
0.0470	600	-	-	560	4x400	85.5	21650	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear |
 Triangular |



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized flat steel wire.
5. Galvanized steel binding tape.
6. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm² : 160°C (max. 5 sec.)
Cross section > 300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

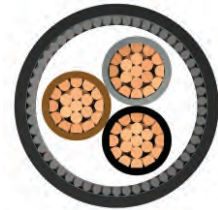
// Standards

IEC 60502 | VDE 0271

// Code

YVZ3V-R | CU/PVC/SWA/PVC | NYFG6Y

U: Solid Conductor
R: Stranded conductor



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized flat steel wire.
5. Galvanized steel binding tape.
6. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm : 160°C (max. 5 sec.)
Cross section > 300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

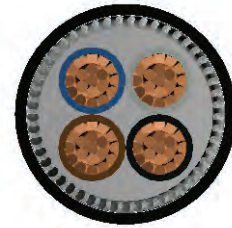
// Standards

IEC 60502 | VDE 0271

// Code

YVZ3V-R | CU/PVC/SWA/PVC | NYFGbY

U: Solid Conductor
R: Stranded conductor

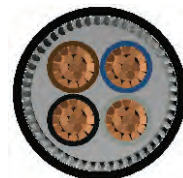


Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
1.8300	75	-	-	60	4x10	22.0	1150	1000
1.1500	98	-	-	80	4x16	24.5	1500	1000
0.7270	128	-	-	106	4x25	28.0	2050	1000
0.5240	157	-	-	131	4x35	31.0	2600	1000
0.3870	185	-	-	159	4x50	35.0	3450	1000
0.2680	225	-	-	202	4x70	39.5	4500	1000
0.1930	275	-	-	244	4x95	45.0	5850	500
0.1530	313	-	-	282	4x120	49.0	7150	500
0.1240	353	-	-	324	4x150	54.0	8700	500
0.0991	399	-	-	371	4x185	59.5	10650	500
0.0754	464	-	-	436	4x240	67.0	13550	250
0.0601	524	-	-	481	4x300	76.0	16750	250
0.0470	600	-	-	560	4x400	85.5	21850	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

- Linear | ○○○
- Triangular | ○○○



// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distribution and industrial plants where there is risk of mechanical damage.

// Construction

1. Stranded copper conductor.
2. PVC insulation.
3. Filter.
4. Galvanized flat steel wire.
5. Galvanized steel binding tape.
6. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm : 160°C (max. 5 sec.)
Cross section > 300 mm : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

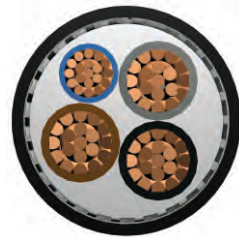
// Standards

IEC 60502 | VDE 0271

// Code

YVZ4V-R | CU/PVC/SWA/PVC | NYBY

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
1.1500	98	-	-	80	3x16+10	24.0	1450	1000
0.7270	128	-	-	106	3x25+16	27.5	2000	1000
0.5240	157	-	-	131	3x35+16	29.5	2300	1000
0.3870	185	-	-	159	3x50+25	33.5	3050	1000
0.2680	228	-	-	202	3x70+35	37.5	4000	1000
0.1930	275	-	-	244	3x95+50	43.0	5250	1000
0.1530	313	-	-	282	3x120+70	47.5	6500	500
0.1240	358	-	-	324	3x150+70	50.5	7600	500
0.0991	399	-	-	371	3x185+95	56.0	9400	500
0.0754	464	-	-	436	3x240+120	63.0	11900	250
0.0601	524	-	-	481	3x300+150	70.0	14600	250
0.0470	600	-	-	560	3x400+185	79.0	18900	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

