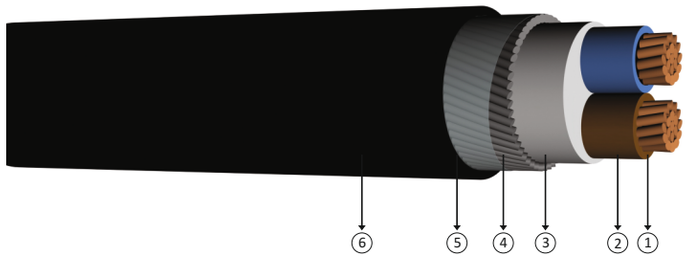
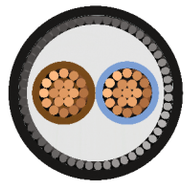
0.6 / 1 kV PVC insulated, round steel wire armoured, multi-core cables with copper conductor





Code: YVZ2V-U, YVZ2V-R, CU/PVC/SWA/PVC,NYRY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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

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

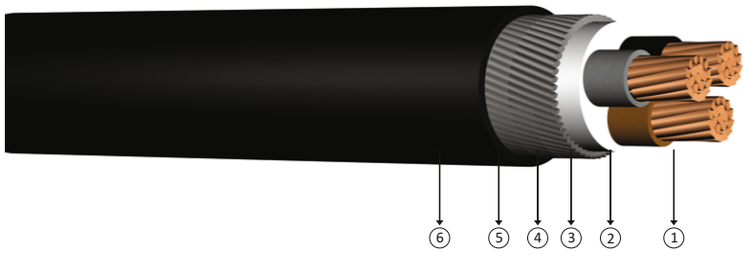
Construction

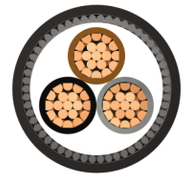
1. Solid or stranded copper conductor
2. PVC insulation
3. Filler
4. Galvanized round steel wire
5. Polyester tape
6. PVC outer jacket

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	13,5	370	1000	12,1	32	20
2x2,5	14,5	420	1000	7,41	42	27
2x4	16,0	500	1000	4,61	54	37
2x6	18,0	700	1000	3,08	68	48
2x10	20,5	900	1000	1,83	90	66
2x16	22,5	1100	1000	1,15	116	89
2x25	26,0	1650	1000	0,727	150	118
2x35	28,0	1950	1000	0,524	181	145
2x50	31,5	2500	1000	0,387	215	176
2x70	35,5	3400	1000	0,268	264	224
2x95	40,5	4350	1000	0,193	317	271
2x120	44,0	5150	500	0,153	360	314
2x150	48,5	6500	500	0,124	406	361
2x185	53,5	7850	500	0,0991	458	412
2x240	60,0	9750	500	0,0754	537	484
2x300	67,0	11900	250	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, round steel wire armoured, multi-core cables with copper conductor





Code: YVY2V-U, YVZ2V-R, CU/PVC/SWA/PVC, NYRY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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	: 15 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 risk of mechanical damage.

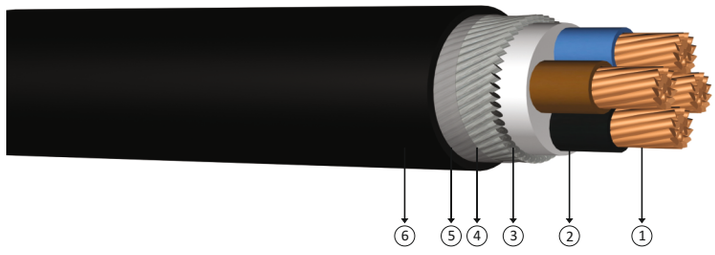
Construction

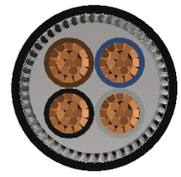
1. Solid or stranded copper conductor
2. PVC insulation
3. Filler
4. Galvanized round steel wire
5. Polyester tape
6. PVC outer jacket

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
3x1,5	14,0	400	1000	12,1	26	18.5
3x2,5	15,0	420	1000	7,41	34	25
3x4	17,5	670	1000	4,61	44	34
3x6	18,5	780	1000	3,08	56	43
3x10	21,5	1050	1000	1,83	75	60
3x16	23,5	1300	1000	1,15	98	80
3x25	27,5	1950	1000	0,727	128	106
3x35	29,5	2350	1000	0,524	157	131
3x50	33,5	3050	1000	0,387	185	159
3x70	38,0	4200	1000	0,268	228	202
3x95	43,0	5350	500	0,193	275	244
3x120	46,5	6400	500	0,153	313	282
3x150	52,0	8150	500	0,124	353	324
3x185	57,0	9750	500	0,0991	399	371
3x240	64,0	12250	250	0,0754	464	436
3x300	72,0	15000	250	0,0601	524	481
3x400	82,0	20000	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, round steel wire armoured, multi-core cables with copper conductor





Code: YVZ2V-U, YVZ2V-R, CU/PVC/SWA/PVC, NYRY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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	: 15 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 risk of mechanical damage.

Construction

1. Solid or stranded copper conductor
2. PVC insulation
3. Filler
4. Galvanized round steel wire
5. Polyester tape
6. 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	15,0	400	1000	12,1	26	18.5
4x2.5	15,5	480	1000	7,41	34	25
4x4	18,5	770	1000	4,61	44	34
4x6	20,0	900	1000	3,08	56	43
4x10	23,0	1200	1000	1,83	75	60
4x16	26,0	1700	1000	1,15	98	80
4x25	29,5	2300	1000	0,727	128	106
4x35	32,5	2870	1000	0,524	157	131
4x50	37,5	4000	1000	0,387	185	159
4x70	41,5	5150	1000	0,268	228	202
4x95	48,0	7050	1000	0,193	275	244
4x120	52,5	8450	500	0,153	313	282
4x150	57,0	10050	500	0,124	353	324
4x185	63,0	12150	500	0,0991	399	371
4x240	70,5	15300	500	0,0754	464	436
4x300	79,0	18700	250	0,0601	524	481
4x400	90,0	25000	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