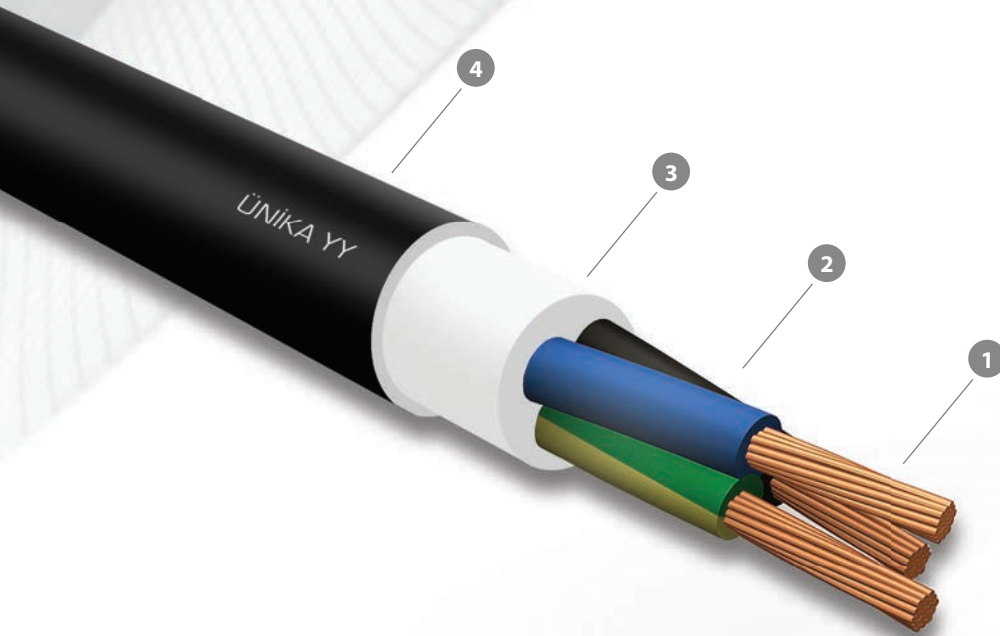


U-2VOV & U-2VV / YY 0,6/1kV  
CU/PVC/PVC-F/PVC & CU/PVC/PVC  
IEC 60502-1



## »» Makeup

- 1 **Conductor** : Annealed circular stranded or compact copper wires complying with IEC 60228 Class 2
- 2 **Insulation** : Polyvinyl chloride, PVC/A in accordance with IEC 60502-1
- 3 **Bedding** : Polyvinyl chloride (PVC) compound
- 4 **Outer Jacket** : Polyvinyl chloride (PVC) compound ST2 in accordance with IEC 60502-1

## »» Technical Features

**Operating Temperature** : -15/70 °C  
**Rated Voltage** : 0,6/1 kV

**Design Guide** : IEC 60502-1  
**Flame Retardancy** : IEC 60332-1  
**Flame Propagation** : IEC 60332-3-22 Cat. A Optional  
**Cold Bend** : IEC 60811-504 ( -15°C )  
**Cold Impact** : IEC 60811-506 ( -15°C )  
**Oil Resistant** : Optional, as per customer request

## »» Application

Fixed installation for power, control and lighting in safe areas, emergency, critical oil and gas onshore and industrial plants.

## U-2VOV & U-2VV / YY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm <sup>2</sup> )	Outer Sheath (mm) Diameter		Copper Content (kg/km)	Weight (approx.) (kg/km)	Max. Conductor Resistance at 20 °C (ohm/km)	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C (A) ( Air )
			Nom.					
1.	BCL2/PVC/ST2	1 x 1,5	6,0		13	52	12,1	14
2.	BCL2/PVC/ST2	1 x 2,5	6,4		22	64	7,41	20
3.	BCL2/PVC/ST2	1 x 4	7,3		35	89	4,61	28
4.	BCCU/PVC/ST2	1 x 6	7,7		52	111	3,08	36
5.	BCCU/PVC/ST2	1 x 10	8,5		87	155	1,83	50
6.	BCCU/PVC/ST2	1 x 16	9,4		136	214	1,15	67
7.	BCCU/PVC/ST2	1 x 25	11,0		216	318	0,727	89
8.	BCCU/PVC/ST2	1 x 35	12,1		302	418	0,524	110
9.	BCCU/PVC/ST2	1 x 50	13,6		408	549	0,387	138
10.	BCCU/PVC/ST2	1 x 70	15,2		588	750	0,268	170
11.	BCCU/PVC/ST2	1 x 95	17,3		822	1.022	0,193	206
12.	BCCU/PVC/ST2	1 x 120	18,7		1.033	1.256	0,153	239
13.	BCCU/PVC/ST2	1 x 150	20,5		1.270	1.531	0,124	274
14.	BCCU/PVC/ST2	1 x 185	22,5		1.588	1.893	0,0991	313
15.	BCCU/PVC/ST2	1 x 240	25,2		2.086	2.451	0,0754	368
16.	BCCU/PVC/ST2	1 x 300	28,8		2.618	3.109	0,0601	424
17.	BCCU/PVC/ST2	1 x 400	32,0		3.343	3.930	0,047	507
18.	BCCU/PVC/ST2	1 x 500	35,6		4.292	4.991	0,0366	583
19.	BCCU/PVC/ST2	1 x 630	39,3		5.540	6.337	0,0283	674
20.	BCL2/PVC/ST2	2 x 1,5	11,5		27	178	12,1	12
21.	BCL2/PVC/ST2	2 x 2,5	12,4		43	215	7,41	17
22.	BCL2/PVC/ST2	2 x 4	14,2		70	295	4,61	24
23.	BCCU/PVC/ST2	2 x 6	15,0		106	352	3,08	31
24.	BCCU/PVC/ST2	2 x 10	16,6		176	470	1,83	43
25.	BCCU/PVC/ST2	2 x 16	18,4		274	625	1,15	57
26.	BCCU/PVC/ST2	2 x 25	21,6		435	912	0,727	76
27.	BCCU/PVC/ST2	2 x 35	23,8		607	1.171	0,524	94
28.	BCCU/PVC/ST2	2 x 50	26,8		820	1.526	0,387	117
29.	BCCU/PVC/ST2	2 x 70	30,2		1.183	2.053	0,268	145
30.	BCCU/PVC/ST2	2 x 95	35,2		1.653	2.827	0,193	175
31.	BCCU/PVC/ST2	2 x 120	38,2		2.078	3.443	0,153	203
32.	BCCU/PVC/ST2	2 x 150	42,4		2.554	4.234	0,124	233
33.	BCCU/PVC/ST2	2 x 185	46,8		3.194	5.227	0,0991	266
34.	BCCU/PVC/ST2	2 x 240	52,6		4.197	6.733	0,0754	313
35.	BCCU/PVC/ST2	2 x 300	58,4		5.266	8.371	0,0601	360
36.	BCCU/PVC/ST2	2 x 400	65,0		6.725	10.533	0,047	431
37.	BCCU/PVC/ST2	2 x 500	72,6		8.635	13.343	0,0366	495
38.	BCCU/PVC/ST2	2 x 630	80,2		11.145	16.781	0,0283	573
39.	BCL2/PVC/ST2	3 x 1,5	12,0		40	202	12,1	10
40.	BCL2/PVC/ST2	3 x 2,5	12,9		65	248	7,41	14
41.	BCL2/PVC/ST2	3 x 4	14,9		105	346	4,61	19
42.	BCCU/PVC/ST2	3 x 6	15,8		158	422	3,08	25
43.	BCCU/PVC/ST2	3 x 10	17,5		264	576	1,83	35
44.	BCCU/PVC/ST2	3 x 16	19,4		411	782	1,15	47
45.	BCCU/PVC/ST2	3 x 25	22,9		652	1.156	0,727	62

**BCL2** : Bare class 2 copper wire

**BCCU** : Bare compacted class 2 copper wire

**BSCU** : Bare sector shaped compacted class 2 copper wire

## U-2VOV & U-2VV / YY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm <sup>2</sup> )	Outer Sheath (mm)		Copper Content (kg/km)	Weight (approx.) (kg/km)	Max. Conductor Resistance at 20 °C (ohm/km)	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C (A) ( Air )
			Diameter					
			Nom.					
46.	BCCU/PVC/ST2	3 x 35	25,2		910	1.501	0,524	77
47.	BCCU/PVC/ST2	3 x 50	28,7		1.230	1.982	0,387	96
48.	BCCU/PVC/ST2	3 x 70	32,7		1.774	2.722	0,268	119
49.	BCCU/PVC/ST2	3 x 95	37,6		2.478	3.710	0,193	144
50.	BCCU/PVC/ST2	3 x 120	40,9		3.117	4.540	0,153	167
51.	BCCU/PVC/ST2	3 x 150	45,3		3.830	5.579	0,124	192
52.	BCCU/PVC/ST2	3 x 185	50,0		4.789	6.901	0,0991	219
53.	BCCU/PVC/ST2	3 x 240	56,7		6.294	8.969	0,0754	258
54.	BCCU/PVC/ST2	3 x 300	62,7		7.897	11.123	0,0601	296
55.	BCCU/PVC/ST2	3 x 400	69,9		10.085	14.058	0,047	355
56.	BCL2/PVC/ST2	4 x 1,5	12,8		54	237	12,1	10
57.	BCL2/PVC/ST2	4 x 2,5	13,8		87	295	7,41	14
58.	BCL2/PVC/ST2	4 x 4	16,1		141	417	4,61	19
59.	BCCU/PVC/ST2	4 x 6	17,0		211	514	3,08	25
60.	BCCU/PVC/ST2	4 x 10	19,0		352	712	1,83	35
61.	BCCU/PVC/ST2	4 x 16	21,1		549	977	1,15	47
62.	BCCU/PVC/ST2	4 x 25	25,0		870	1.457	0,727	62
63.	BCCU/PVC/ST2	4 x 35	27,7		1.215	1.902	0,524	77
64.	BCCU/PVC/ST2	4 x 50	32,1		1.641	2.564	0,387	96
65.	BCCU/PVC/ST2	4 x 70	36,1		2.368	3.487	0,268	119
66.	BCCU/PVC/ST2	4 x 95	42,0		3.308	4.802	0,193	144
67.	BCCU/PVC/ST2	4 x 120	45,6		4.160	5.882	0,153	167
68.	BCCU/PVC/ST2	4 x 150	50,3		5.112	7.196	0,124	192
69.	BCCU/PVC/ST2	4 x 185	56,0		6.392	8.959	0,0991	219
70.	BCCU/PVC/ST2	4 x 240	62,9		8.400	11.575	0,0754	258
71.	BCCU/PVC/ST2	4 x 300	70,0		10.540	14.432	0,0601	296
72.	BCL2/PVC/ST2	5 x 1,5	13,7		67	276	12,1	8
73.	BCL2/PVC/ST2	5 x 2,5	14,9		109	347	7,41	11
74.	BCL2/PVC/ST2	5 x 4	17,4		176	497	4,61	15
75.	BCCU/PVC/ST2	5 x 6	18,4		264	616	3,08	20
76.	BCCU/PVC/ST2	5 x 10	20,6		441	862	1,83	28
77.	BCCU/PVC/ST2	5 x 16	23,0		687	1.189	1,15	38
78.	BCCU/PVC/ST2	5 x 25	27,4		1.088	1.784	0,727	50
79.	BCCU/PVC/ST2	5 x 35	30,9		1.520	2.381	0,524	62
80.	BCCU/PVC/ST2	5 x 50	35,4		2.054	3.167	0,387	77
81.	BCCU/PVC/ST2	5 x 70	39,9		2.963	4.314	0,268	95
82.	BCCU/PVC/ST2	5 x 95	46,6		4.139	5.962	0,193	115
83.	BCCU/PVC/ST2	5 x 120	50,6		5.205	7.308	0,153	133
84.	BCCU/PVC/ST2	5 x 150	56,2		6.397	8.995	0,124	153
85.	BCCU/PVC/ST2	5 x 185	62,0		7.999	11.127	0,0991	175
86.	BCCU/PVC/ST2	5 x 240	70,1		10.511	14.450	0,0754	206
87.	BCL2/PVC/ST2	6 x 1,5	14,7		81	319	12,1	8
88.	BCL2/PVC/ST2	7 x 1,5	14,7		94	329	12,1	7
89.	BCL2/PVC/ST2	8 x 1,5	16,6		108	412	12,1	7
90.	BCL2/PVC/ST2	9 x 1,5	16,6		121	424	12,1	7

**BCL2** : Bare class 2 copper wire

**BCCU** : Bare compacted class 2 copper wire

**BSCU** : Bare sector shaped compacted class 2 copper wire

## U-2VOV & U-2VV / YY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm <sup>2</sup> )	Outer Sheath (mm) Diameter		Copper Content (kg/km)	Weight (approx.) (kg/km)	Max. Conductor Resistance at 20 °C (ohm/km)	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C (A) ( Air )
			Nom.					
91.	BCL2/PVC/ST2	10 x 1,5	17,8		135	485	12,1	7
92.	BCL2/PVC/ST2	12 x 1,5	18,3		162	527	12,1	7
93.	BCL2/PVC/ST2	14 x 1,5	19,1		189	585	12,1	7
94.	BCL2/PVC/ST2	16 x 1,5	20,1		216	649	12,1	7
95.	BCL2/PVC/ST2	18 x 1,5	21,0		243	717	12,1	7
96.	BCL2/PVC/ST2	19 x 1,5	21,0		256	727	12,1	7
97.	BCL2/PVC/ST2	24 x 1,5	24,2		324	954	12,1	7
98.	BCL2/PVC/ST2	27 x 1,5	24,6		364	1.013	12,1	6
99.	BCL2/PVC/ST2	33 x 1,5	26,4		445	1.182	12,1	6
100.	BCL2/PVC/ST2	37 x 1,5	27,3		499	1.285	12,1	6
101.	BCL2/PVC/ST2	48 x 1,5	31,8		648	1.718	12,1	5
102.	BCL2/PVC/ST2	61 x 1,5	34,6		823	2.083	12,1	5
103.	BCL2/PVC/ST2	6 x 2,5	15,9		130	404	7,41	11
104.	BCL2/PVC/ST2	7 x 2,5	15,9		152	420	7,41	9
105.	BCL2/PVC/ST2	8 x 2,5	18,1		174	527	7,41	9
106.	BCL2/PVC/ST2	9 x 2,5	18,1		196	544	7,41	9
107.	BCL2/PVC/ST2	10 x 2,5	19,5		217	625	7,41	9
108.	BCL2/PVC/ST2	12 x 2,5	20,1		261	684	7,41	9
109.	BCL2/PVC/ST2	14 x 2,5	21,0		304	764	7,41	9
110.	BCL2/PVC/ST2	16 x 2,5	22,0		348	851	7,41	9
111.	BCL2/PVC/ST2	18 x 2,5	23,1		391	943	7,41	9
112.	BCL2/PVC/ST2	19 x 2,5	23,1		413	960	7,41	9
113.	BCL2/PVC/ST2	24 x 2,5	26,7		522	1.262	7,41	9
114.	BCL2/PVC/ST2	27 x 2,5	27,2		587	1.348	7,41	8
115.	BCL2/PVC/ST2	33 x 2,5	29,4		717	1.596	7,41	8
116.	BCL2/PVC/ST2	37 x 2,5	30,9		804	1.770	7,41	8
117.	BCL2/PVC/ST2	48 x 2,5	35,4		1.043	2.319	7,41	7
118.	BCL2/PVC/ST2	61 x 2,5	38,6		1.326	2.825	7,41	7
119.	BCL2/PVC/ST2	6 x 4	18,8		211	583	4,61	15
120.	BCL2/PVC/ST2	7 x 4	18,8		246	609	4,61	13
121.	BCL2/PVC/ST2	8 x 4	21,5		282	771	4,61	13
122.	BCL2/PVC/ST2	9 x 4	21,5		317	798	4,61	13
123.	BCL2/PVC/ST2	10 x 4	23,3		352	921	4,61	13
124.	BCL2/PVC/ST2	12 x 4	24,0		423	1.015	4,61	13
125.	BCL2/PVC/ST2	14 x 4	25,2		493	1.138	4,61	13
126.	BCL2/PVC/ST2	16 x 4	26,4		563	1.274	4,61	13
127.	BCL2/PVC/ST2	18 x 4	27,8		634	1.417	4,61	13
128.	BCL2/PVC/ST2	19 x 4	27,8		669	1.443	4,61	13
129.	BCL2/PVC/ST2	24 x 4	33,1		845	1.971	4,61	13
130.	BCL2/PVC/ST2	27 x 4	33,8		951	2.108	4,61	11
131.	BCL2/PVC/ST2	33 x 4	36,5		1.162	2.497	4,61	11
132.	BCL2/PVC/ST2	37 x 4	38,0		1.303	2.744	4,61	11
133.	BCL2/PVC/ST2	48 x 4	44,1		1.690	3.640	4,61	9
134.	BCL2/PVC/ST2	61 x 4	48,1		2.148	4.438	4,61	9

**BCL2** : Bare class 2 copper wire

**BCCU** : Bare compacted class 2 copper wire

**BSCU** : Bare sector shaped compacted class 2 copper wire