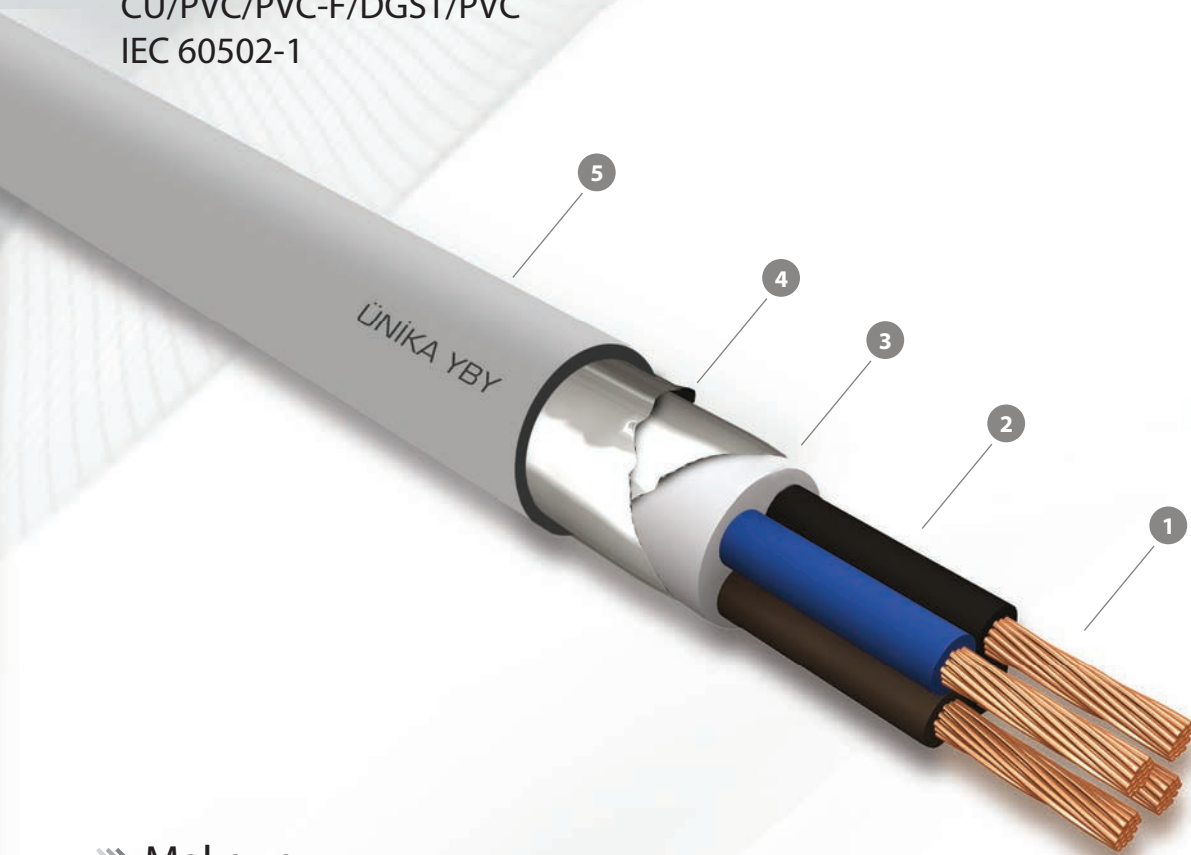


U-2VOVGt2 / YBY 0,6/1kV
 CU/PVC/PVC-F/DGST/PVC
 IEC 60502-1



»» 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 **Armour** : Double galvanised steel tape
- 5 **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-2VOVGt2 / YBY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm ²)	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.					
1.	BCL2/PVC/PVC-F/DGST/ST2	1 x 1,5	9,4		13	146	12,1	23
2.	BCL2/PVC/PVC-F/DGST/ST2	1 x 2,5	9,8		22	164	7,41	30
3.	BCL2/PVC/PVC-F/DGST/ST2	1 x 4	10,8		35	201	4,61	40
4.	BCCU/PVC/PVC-F/DGST/ST2	1 x 6	11,2		52	228	3,08	52
5.	BCCU/PVC/PVC-F/DGST/ST2	1 x 10	12,0		87	283	1,83	72
6.	BCCU/PVC/PVC-F/DGST/ST2	1 x 16	12,9		136	354	1,15	96
7.	BCCU/PVC/PVC-F/DGST/ST2	1 x 25	14,5		216	478	0,727	127
8.	BCCU/PVC/PVC-F/DGST/ST2	1 x 35	15,6		302	592	0,524	157
9.	BCCU/PVC/PVC-F/DGST/ST2	1 x 50	17,1		408	741	0,387	196
10.	BCCU/PVC/PVC-F/DGST/ST2	1 x 70	18,7		588	963	0,268	242
11.	BCCU/PVC/PVC-F/DGST/ST2	1 x 95	20,8		822	1.257	0,193	293
12.	BCCU/PVC/PVC-F/DGST/ST2	1 x 120	22,2		1.033	1.508	0,153	339
13.	BCCU/PVC/PVC-F/DGST/ST2	1 x 150	24,0		1.270	1.802	0,124	389
14.	BCCU/PVC/PVC-F/DGST/ST2	1 x 185	26,0		1.588	2.183	0,0991	444
15.	BCCU/PVC/PVC-F/DGST/ST2	1 x 240	28,9		2.086	2.781	0,0754	522
16.	BCCU/PVC/PVC-F/DGST/ST2	1 x 300	31,7		2.618	3.414	0,0601	601
17.	BCCU/PVC/PVC-F/DGST/ST2	1 x 400	35,3		3.343	4.295	0,047	719
18.	BCCU/PVC/PVC-F/DGST/ST2	1 x 500	40,1		4.292	5.860	0,0366	827
19.	BCCU/PVC/PVC-F/DGST/ST2	1 x 630	44,0		5.540	7.311	0,0283	955
20.	BCL2/PVC/PVC-F/DGST/ST2	2 x 1,5	12,6		27	259	12,1	20
21.	BCL2/PVC/PVC-F/DGST/ST2	2 x 2,5	13,4		43	302	7,41	26
22.	BCL2/PVC/PVC-F/DGST/ST2	2 x 4	15,3		70	396	4,61	34
23.	BCCU/PVC/PVC-F/DGST/ST2	2 x 6	16,1		106	459	3,08	44
24.	BCCU/PVC/PVC-F/DGST/ST2	2 x 10	17,7		176	590	1,83	61
25.	BCCU/PVC/PVC-F/DGST/ST2	2 x 16	19,5		274	759	1,15	82
26.	BCCU/PVC/PVC-F/DGST/ST2	2 x 25	22,7		435	1.066	0,727	108
27.	BCCU/PVC/PVC-F/DGST/ST2	2 x 35	24,9		607	1.341	0,524	133
28.	BCCU/PVC/PVC-F/DGST/ST2	2 x 50	27,9		820	1.714	0,387	167
29.	BCCU/PVC/PVC-F/DGST/ST2	2 x 70	31,5		1.183	2.279	0,268	206
30.	BCCU/PVC/PVC-F/DGST/ST2	2 x 95	37,7		1.653	3.525	0,193	249
31.	BCCU/PVC/PVC-F/DGST/ST2	2 x 120	40,7		2.078	4.198	0,153	288
32.	BCCU/PVC/PVC-F/DGST/ST2	2 x 150	44,9		2.554	5.065	0,124	331
33.	BCCU/PVC/PVC-F/DGST/ST2	2 x 185	49,1		3.194	6.110	0,0991	377
34.	BCCU/PVC/PVC-F/DGST/ST2	2 x 240	54,9		4.197	7.712	0,0754	444
35.	BCCU/PVC/PVC-F/DGST/ST2	2 x 300	60,9		5.266	9.476	0,0601	511
36.	BCCU/PVC/PVC-F/DGST/ST2	2 x 400	67,3		6.725	11.714	0,047	611
37.	BCCU/PVC/PVC-F/DGST/ST2	2 x 500	75,1		8.635	14.681	0,0366	703
38.	BCCU/PVC/PVC-F/DGST/ST2	2 x 630	83,9		11.145	19.279	0,0283	812
39.	BCL2/PVC/PVC-F/DGST/ST2	3 x 1,5	13,1		40	284	12,1	16
40.	BCL2/PVC/PVC-F/DGST/ST2	3 x 2,5	14,0		65	337	7,41	21
41.	BCL2/PVC/PVC-F/DGST/ST2	3 x 4	16,0		105	448	4,61	28
42.	BCCU/PVC/PVC-F/DGST/ST2	3 x 6	16,8		158	530	3,08	36
43.	BCCU/PVC/PVC-F/DGST/ST2	3 x 10	18,5		264	697	1,83	50
44.	BCCU/PVC/PVC-F/DGST/ST2	3 x 16	20,5		411	916	1,15	67
45.	BCCU/PVC/PVC-F/DGST/ST2	3 x 25	23,9		652	1.308	0,727	89

BCL2 : Bare class 2 copper wire

BCCU : Bare compacted class 2 copper wire

BSCU : Bare sector shaped compacted class 2 copper wire

U-2VOVGt2 / YBY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm ²)	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/PVC-F/DGST/ST2	3 x 35	26,3		910	1.669	0,524	110
47.	BCCU/PVC/PVC-F/DGST/ST2	3 x 50	29,7		1.230	2.164	0,387	137
48.	BCCU/PVC/PVC-F/DGST/ST2	3 x 70	33,8		1.774	2.930	0,268	169
49.	BCCU/PVC/PVC-F/DGST/ST2	3 x 95	39,9		2.478	4.409	0,193	205
50.	BCCU/PVC/PVC-F/DGST/ST2	3 x 120	43,1		3.117	5.295	0,153	237
51.	BCCU/PVC/PVC-F/DGST/ST2	3 x 150	47,8		3.830	6.427	0,124	272
52.	BCCU/PVC/PVC-F/DGST/ST2	3 x 185	52,3		4.789	7.795	0,0991	311
53.	BCCU/PVC/PVC-F/DGST/ST2	3 x 240	59,1		6.294	9.991	0,0754	365
54.	BCCU/PVC/PVC-F/DGST/ST2	3 x 300	65,1		7.897	12.231	0,0601	421
55.	BCCU/PVC/PVC-F/DGST/ST2	3 x 400	72,4		10.085	15.272	0,047	503
56.	BCL2/PVC/PVC-F/DGST/ST2	4 x 1,5	13,9		54	324	12,1	16
57.	BCL2/PVC/PVC-F/DGST/ST2	4 x 2,5	14,9		87	389	7,41	21
58.	BCL2/PVC/PVC-F/DGST/ST2	4 x 4	17,2		141	525	4,61	28
59.	BCCU/PVC/PVC-F/DGST/ST2	4 x 6	18,1		211	628	3,08	36
60.	BCCU/PVC/PVC-F/DGST/ST2	4 x 10	20,0		352	839	1,83	50
61.	BCCU/PVC/PVC-F/DGST/ST2	4 x 16	22,2		549	1.118	1,15	67
62.	BCCU/PVC/PVC-F/DGST/ST2	4 x 25	26,1		870	1.614	0,727	89
63.	BCCU/PVC/PVC-F/DGST/ST2	4 x 35	28,9		1.215	2.090	0,524	110
64.	BCCU/PVC/PVC-F/DGST/ST2	4 x 50	33,1		1.641	2.755	0,387	137
65.	BCCU/PVC/PVC-F/DGST/ST2	4 x 70	38,6		2.368	4.172	0,268	169
66.	BCCU/PVC/PVC-F/DGST/ST2	4 x 95	44,5		3.308	5.583	0,193	205
67.	BCCU/PVC/PVC-F/DGST/ST2	4 x 120	48,0		4.160	6.724	0,153	137
68.	BCCU/PVC/PVC-F/DGST/ST2	4 x 150	52,8		5.112	8.105	0,124	272
69.	BCCU/PVC/PVC-F/DGST/ST2	4 x 185	58,2		6.392	9.923	0,0991	311
70.	BCCU/PVC/PVC-F/DGST/ST2	4 x 240	65,3		8.400	12.661	0,0754	365
71.	BCCU/PVC/PVC-F/DGST/ST2	4 x 300	72,4		10.540	15.614	0,0601	421
72.	BCL2/PVC/PVC-F/DGST/ST2	5 x 1,5	14,8		67	369	12,1	13
73.	BCL2/PVC/PVC-F/DGST/ST2	5 x 2,5	15,9		109	447	7,41	17
74.	BCL2/PVC/PVC-F/DGST/ST2	5 x 4	18,5		176	611	4,61	22
75.	BCCU/PVC/PVC-F/DGST/ST2	5 x 6	19,5		264	737	3,08	29
76.	BCCU/PVC/PVC-F/DGST/ST2	5 x 10	21,7		441	996	1,83	40
77.	BCCU/PVC/PVC-F/DGST/ST2	5 x 16	24,1		687	1.340	1,15	54
78.	BCCU/PVC/PVC-F/DGST/ST2	5 x 25	28,6		1.088	1.962	0,727	71
79.	BCCU/PVC/PVC-F/DGST/ST2	5 x 35	32,2		1.520	2.583	0,524	88
80.	BCCU/PVC/PVC-F/DGST/ST2	5 x 50	37,8		2.054	3.826	0,387	110
81.	BCCU/PVC/PVC-F/DGST/ST2	5 x 70	42,4		2.963	5.058	0,268	136
82.	BCCU/PVC/PVC-F/DGST/ST2	5 x 95	48,8		4.139	6.787	0,193	164
83.	BCCU/PVC/PVC-F/DGST/ST2	5 x 120	53,0		5.205	8.220	0,153	190
84.	BCCU/PVC/PVC-F/DGST/ST2	5 x 150	58,7		6.397	9.986	0,124	218
85.	BCCU/PVC/PVC-F/DGST/ST2	5 x 185	64,3		7.999	12.163	0,0991	249
86.	BCCU/PVC/PVC-F/DGST/ST2	5 x 240	72,6		10.511	15.625	0,0754	292
87.	BCL2/PVC/PVC-F/DGST/ST2	6 x 1,5	15,7		81	417	12,1	11
88.	BCL2/PVC/PVC-F/DGST/ST2	7 x 1,5	15,7		94	424	12,1	11
89.	BCL2/PVC/PVC-F/DGST/ST2	8 x 1,5	17,7		108	523	12,1	11
90.	BCL2/PVC/PVC-F/DGST/ST2	9 x 1,5	17,7		121	531	12,1	11

BCL2 : Bare class 2 copper wire

BCCU : Bare compacted class 2 copper wire

BSCU : Bare sector shaped compacted class 2 copper wire

U-2VOVGt2 / YBY 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross-section (mm ²)	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/PVC-F/DGST/ST2	10 x 1,5	18,9		135	601	12,1	11
92.	BCL2/PVC/PVC-F/DGST/ST2	12 x 1,5	19,4		162	641	12,1	11
93.	BCL2/PVC/PVC-F/DGST/ST2	14 x 1,5	20,2		189	700	12,1	11
94.	BCL2/PVC/PVC-F/DGST/ST2	16 x 1,5	21,1		216	767	12,1	11
95.	BCL2/PVC/PVC-F/DGST/ST2	18 x 1,5	22,1		243	837	12,1	11
96.	BCL2/PVC/PVC-F/DGST/ST2	19 x 1,5	22,1		256	844	12,1	11
97.	BCL2/PVC/PVC-F/DGST/ST2	24 x 1,5	25,2		324	1.085	12,1	11
98.	BCL2/PVC/PVC-F/DGST/ST2	27 x 1,5	25,7		364	1.140	12,1	10
99.	BCL2/PVC/PVC-F/DGST/ST2	33 x 1,5	27,4		445	1.306	12,1	10
100.	BCL2/PVC/PVC-F/DGST/ST2	37 x 1,5	28,6		499	1.419	12,1	10
101.	BCL2/PVC/PVC-F/DGST/ST2	48 x 1,5	32,8		648	1.844	12,1	8
102.	BCL2/PVC/PVC-F/DGST/ST2	61 x 1,5	36,9		823	2.628	12,1	8
103.	BCL2/PVC/PVC-F/DGST/ST2	6 x 2,5	17,0		130	511	7,41	15
104.	BCL2/PVC/PVC-F/DGST/ST2	7 x 2,5	17,0		152	523	7,41	15
105.	BCL2/PVC/PVC-F/DGST/ST2	8 x 2,5	19,2		174	647	7,41	15
106.	BCL2/PVC/PVC-F/DGST/ST2	9 x 2,5	19,2		196	661	7,41	15
107.	BCL2/PVC/PVC-F/DGST/ST2	10 x 2,5	20,6		217	751	7,41	15
108.	BCL2/PVC/PVC-F/DGST/ST2	12 x 2,5	21,1		261	808	7,41	15
109.	BCL2/PVC/PVC-F/DGST/ST2	14 x 2,5	22,1		304	890	7,41	15
110.	BCL2/PVC/PVC-F/DGST/ST2	16 x 2,5	23,1		348	979	7,41	15
111.	BCL2/PVC/PVC-F/DGST/ST2	18 x 2,5	24,2		391	1.074	7,41	15
112.	BCL2/PVC/PVC-F/DGST/ST2	19 x 2,5	24,2		413	1.087	7,41	15
113.	BCL2/PVC/PVC-F/DGST/ST2	24 x 2,5	27,7		522	1.404	7,41	15
114.	BCL2/PVC/PVC-F/DGST/ST2	27 x 2,5	28,5		587	1.497	7,41	13
115.	BCL2/PVC/PVC-F/DGST/ST2	33 x 2,5	30,4		717	1.729	7,41	13
116.	BCL2/PVC/PVC-F/DGST/ST2	37 x 2,5	32,1		804	1.917	7,41	13
117.	BCL2/PVC/PVC-F/DGST/ST2	48 x 2,5	37,9		1.043	2.913	7,41	11
118.	BCL2/PVC/PVC-F/DGST/ST2	61 x 2,5	41,1		1.326	3.443	7,41	11
119.	BCL2/PVC/PVC-F/DGST/ST2	6 x 4	19,8		211	704	4,61	20
120.	BCL2/PVC/PVC-F/DGST/ST2	7 x 4	19,8		246	725	4,61	20
121.	BCL2/PVC/PVC-F/DGST/ST2	8 x 4	22,6		282	907	4,61	20
122.	BCL2/PVC/PVC-F/DGST/ST2	9 x 4	22,6		317	929	4,61	20
123.	BCL2/PVC/PVC-F/DGST/ST2	10 x 4	24,3		352	1.062	4,61	20
124.	BCL2/PVC/PVC-F/DGST/ST2	12 x 4	25,0		423	1.151	4,61	20
125.	BCL2/PVC/PVC-F/DGST/ST2	14 x 4	26,2		493	1.275	4,61	20
126.	BCL2/PVC/PVC-F/DGST/ST2	16 x 4	27,5		563	1.411	4,61	20
127.	BCL2/PVC/PVC-F/DGST/ST2	18 x 4	29,1		634	1.568	4,61	20
128.	BCL2/PVC/PVC-F/DGST/ST2	19 x 4	29,1		669	1.589	4,61	20
129.	BCL2/PVC/PVC-F/DGST/ST2	24 x 4	34,4		845	2.138	4,61	20
130.	BCL2/PVC/PVC-F/DGST/ST2	27 x 4	35,1		951	2.265	4,61	17
131.	BCL2/PVC/PVC-F/DGST/ST2	33 x 4	38,9		1.162	3.103	4,61	17
132.	BCL2/PVC/PVC-F/DGST/ST2	37 x 4	40,5		1.303	3.360	4,61	17
133.	BCL2/PVC/PVC-F/DGST/ST2	48 x 4	46,5		1.690	4.327	4,61	14
134.	BCL2/PVC/PVC-F/DGST/ST2	61 x 4	50,5		2.148	5.142	4,61	14

BCL2 : Bare class 2 copper wire

BCCU : Bare compacted class 2 copper wire

BSCU : Bare sector shaped compacted class 2 copper wire