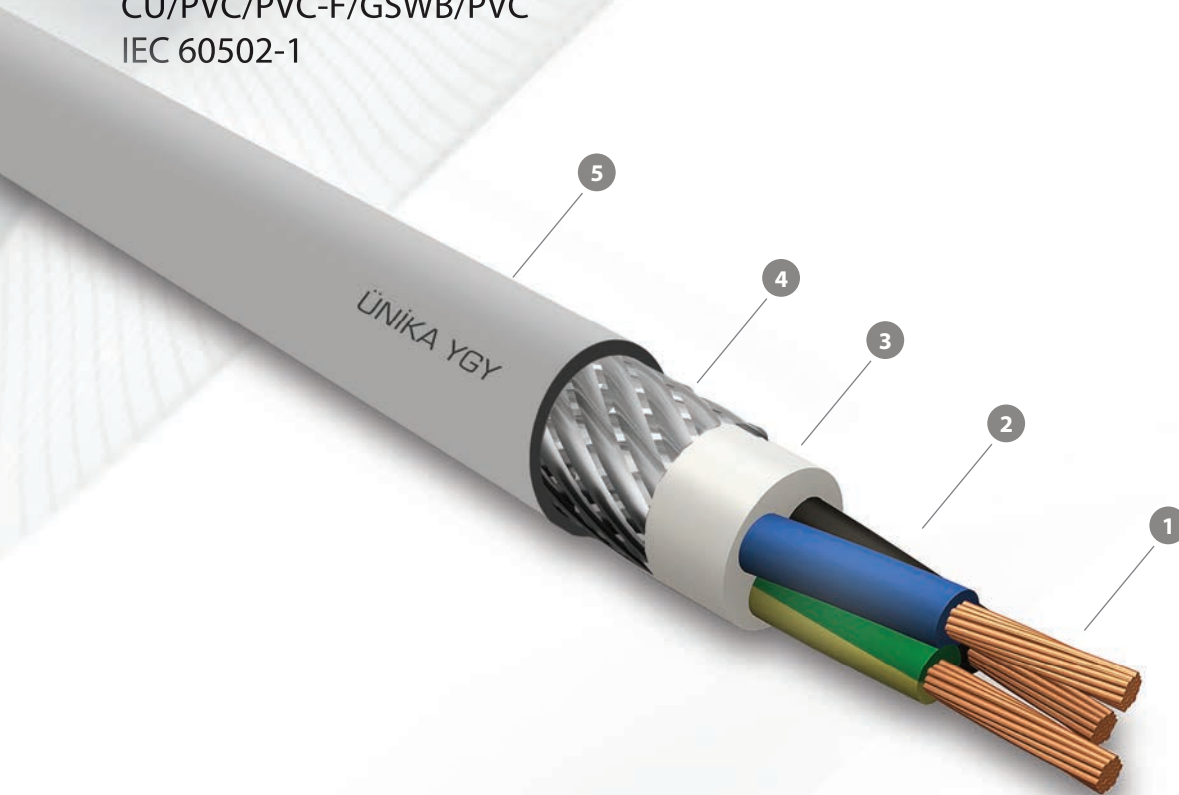


U-2VOVG / YGY 0,6/1kV
CU/PVC/PVC-F/GSWB/PVC
IEC 60502-1



»» 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** : Galvanised Steel wire braid
- 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-2VOVG / YGY 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.					
1.	BCL2/PVC/PVC-F/GSWB/ST2	1 x 1,5	9,4		13	126	12,1	14
2.	BCL2/PVC/PVC-F/GSWB/ST2	1 x 2,5	9,8		22	143	7,41	20
3.	BCL2/PVC/PVC-F/GSWB/ST2	1 x 4	10,8		35	178	4,61	28
4.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 6	11,2		52	205	3,08	36
5.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 10	12,0		87	256	1,83	50
6.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 16	12,9		136	325	1,15	67
7.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 25	14,5		216	446	0,727	89
8.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 35	16,0		302	587	0,524	110
9.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 50	17,5		408	737	0,387	138
10.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 70	19,1		588	959	0,268	170
11.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 95	21,2		822	1.257	0,193	206
12.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 120	22,6		1.033	1.510	0,153	239
13.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 150	24,4		1.270	1.809	0,124	274
14.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 185	26,4		1.588	2.197	0,0991	313
15.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 240	29,3		2.086	2.803	0,0754	368
16.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 300	32,1		2.618	3.446	0,0601	424
17.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 400	35,7		3.343	4.337	0,047	507
18.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 500	39,7		4.292	5.522	0,0366	583
19.	BCCU/PVC/PVC-F/GSWB/ST2	1 x 630	43,6		5.540	6.941	0,0283	674
20.	BCL2/PVC/PVC-F/GSWB/ST2	2 x 1,5	12,6		27	228	12,1	12
21.	BCL2/PVC/PVC-F/GSWB/ST2	2 x 2,5	13,4		43	269	7,41	17
22.	BCL2/PVC/PVC-F/GSWB/ST2	2 x 4	15,7		70	387	4,61	24
23.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 6	16,5		106	449	3,08	31
24.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 10	18,1		176	578	1,83	43
25.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 16	19,9		274	748	1,15	57
26.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 25	23,1		435	1.056	0,727	76
27.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 35	25,3		607	1.330	0,524	94
28.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 50	28,5		820	1.721	0,387	117
29.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 70	31,9		1.183	2.272	0,268	145
30.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 95	37,3		1.653	3.159	0,193	175
31.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 120	40,1		2.078	3.785	0,153	203
32.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 150	44,5		2.554	4.636	0,124	233
33.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 185	48,7		3.194	5.646	0,0991	266
34.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 240	54,5		4.197	7.207	0,0754	313
35.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 300	60,5		5.266	8.923	0,0601	360
36.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 400	66,9		6.725	11.118	0,047	431
37.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 500	74,7		8.635	14.031	0,0366	495
38.	BCCU/PVC/PVC-F/GSWB/ST2	2 x 630	82,1		11.145	17.502	0,0283	573
39.	BCL2/PVC/PVC-F/GSWB/ST2	3 x 1,5	13,1		40	254	12,1	10
40.	BCL2/PVC/PVC-F/GSWB/ST2	3 x 2,5	14,0		65	305	7,41	14
41.	BCL2/PVC/PVC-F/GSWB/ST2	3 x 4	16,4		105	443	4,61	19
42.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 6	17,2		158	524	3,08	25
43.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 10	18,9		264	692	1,83	35
44.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 16	20,9		411	911	1,15	47
45.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 25	24,3		652	1.310	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-2VOVG / YGY 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/GSWB/ST2	3 x 35	26,7		910	1.672	0,524	77
47.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 50	30,1		1.230	2.177	0,387	96
48.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 70	34,4		1.774	2.960	0,268	119
49.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 95	39,5		2.478	4.046	0,193	144
50.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 120	42,7		3.117	4.905	0,153	167
51.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 150	47,4		3.830	6.007	0,124	192
52.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 185	51,9		4.789	7.351	0,0991	219
53.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 240	58,7		6.294	9.505	0,0754	258
54.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 300	64,5		7.897	11.685	0,0601	296
55.	BCCU/PVC/PVC-F/GSWB/ST2	3 x 400	72,0		10.085	14.722	0,047	355
56.	BCL2/PVC/PVC-F/GSWB/ST2	4 x 1,5	13,9		54	293	12,1	10
57.	BCL2/PVC/PVC-F/GSWB/ST2	4 x 2,5	14,9		87	356	7,41	14
58.	BCL2/PVC/PVC-F/GSWB/ST2	4 x 4	17,6		141	522	4,61	19
59.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 6	18,5		211	625	3,08	25
60.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 10	20,4		352	838	1,83	35
61.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 16	22,6		549	1.117	1,15	47
62.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 25	26,5		870	1.625	0,727	62
63.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 35	29,3		1.215	2.104	0,524	77
64.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 50	33,5		1.641	2.783	0,387	96
65.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 70	38,2		2.368	3.828	0,268	119
66.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 95	44,1		3.308	5.198	0,193	144
67.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 120	47,6		4.160	6.313	0,153	167
68.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 150	52,2		5.112	7.647	0,124	192
69.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 185	57,8		6.392	9.461	0,0991	219
70.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 240	64,9		8.400	12.168	0,0754	258
71.	BCCU/PVC/PVC-F/GSWB/ST2	4 x 300	72,0		10.540	15.096	0,0601	296
72.	BCL2/PVC/PVC-F/GSWB/ST2	5 x 1,5	14,8		67	337	12,1	8
73.	BCL2/PVC/PVC-F/GSWB/ST2	5 x 2,5	16,3		109	443	7,41	11
74.	BCL2/PVC/PVC-F/GSWB/ST2	5 x 4	18,9		176	611	4,61	15
75.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 6	19,9		264	739	3,08	20
76.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 10	22,1		441	999	1,83	28
77.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 16	24,5		687	1.343	1,15	38
78.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 25	29,0		1.088	1.983	0,727	50
79.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 35	32,6		1.520	2.608	0,524	62
80.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 50	37,4		2.054	3.499	0,387	77
81.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 70	42,0		2.963	4.691	0,268	95
82.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 95	48,4		4.139	6.381	0,193	115
83.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 120	52,6		5.205	7.785	0,153	133
84.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 150	58,1		6.397	9.498	0,124	153
85.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 185	63,9		7.999	11.685	0,0991	175
86.	BCCU/PVC/PVC-F/GSWB/ST2	5 x 240	72,2		10.511	15.115	0,0754	206
87.	BCL2/PVC/PVC-F/GSWB/ST2	6 x 1,5	16,1		81	413	12,1	8
88.	BCL2/PVC/PVC-F/GSWB/ST2	7 x 1,5	16,1		94	423	12,1	7
89.	BCL2/PVC/PVC-F/GSWB/ST2	8 x 1,5	18,1		108	521	12,1	7
90.	BCL2/PVC/PVC-F/GSWB/ST2	9 x 1,5	18,1		121	532	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-2VOVG / YGY 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.					
91.	BCL2/PVC/PVC-F/GSWB/ST2	10 x 1,5	19,3		135	602	12,1	7
92.	BCL2/PVC/PVC-F/GSWB/ST2	12 x 1,5	19,8		162	650	12,1	7
93.	BCL2/PVC/PVC-F/GSWB/ST2	14 x 1,5	20,6		189	711	12,1	7
94.	BCL2/PVC/PVC-F/GSWB/ST2	16 x 1,5	21,5		216	783	12,1	7
95.	BCL2/PVC/PVC-F/GSWB/ST2	18 x 1,5	22,5		243	857	12,1	7
96.	BCL2/PVC/PVC-F/GSWB/ST2	19 x 1,5	22,5		256	867	12,1	7
97.	BCL2/PVC/PVC-F/GSWB/ST2	24 x 1,5	25,6		324	1.117	12,1	7
98.	BCL2/PVC/PVC-F/GSWB/ST2	27 x 1,5	26,1		364	1.180	12,1	6
99.	BCL2/PVC/PVC-F/GSWB/ST2	33 x 1,5	27,8		445	1.360	12,1	6
100.	BCL2/PVC/PVC-F/GSWB/ST2	37 x 1,5	29,0		499	1.484	12,1	6
101.	BCL2/PVC/PVC-F/GSWB/ST2	48 x 1,5	33,2		648	1.935	12,1	5
102.	BCL2/PVC/PVC-F/GSWB/ST2	61 x 1,5	36,5		823	2.396	12,1	5
103.	BCL2/PVC/PVC-F/GSWB/ST2	6 x 2,5	17,4		130	508	7,41	11
104.	BCL2/PVC/PVC-F/GSWB/ST2	7 x 2,5	17,4		152	524	7,41	9
105.	BCL2/PVC/PVC-F/GSWB/ST2	8 x 2,5	19,6		174	647	7,41	9
106.	BCL2/PVC/PVC-F/GSWB/ST2	9 x 2,5	19,6		196	664	7,41	9
107.	BCL2/PVC/PVC-F/GSWB/ST2	10 x 2,5	21,0		217	754	7,41	9
108.	BCL2/PVC/PVC-F/GSWB/ST2	12 x 2,5	21,5		261	818	7,41	9
109.	BCL2/PVC/PVC-F/GSWB/ST2	14 x 2,5	22,5		304	905	7,41	9
110.	BCL2/PVC/PVC-F/GSWB/ST2	16 x 2,5	23,5		348	999	7,41	9
111.	BCL2/PVC/PVC-F/GSWB/ST2	18 x 2,5	24,6		391	1.099	7,41	9
112.	BCL2/PVC/PVC-F/GSWB/ST2	19 x 2,5	24,6		413	1.116	7,41	9
113.	BCL2/PVC/PVC-F/GSWB/ST2	24 x 2,5	28,3		522	1.455	7,41	9
114.	BCL2/PVC/PVC-F/GSWB/ST2	27 x 2,5	28,9		587	1.545	7,41	8
115.	BCL2/PVC/PVC-F/GSWB/ST2	33 x 2,5	30,8		717	1.795	7,41	8
116.	BCL2/PVC/PVC-F/GSWB/ST2	37 x 2,5	32,5		804	1.997	7,41	8
117.	BCL2/PVC/PVC-F/GSWB/ST2	48 x 2,5	37,5		1.043	2.652	7,41	7
118.	BCL2/PVC/PVC-F/GSWB/ST2	61 x 2,5	40,7		1.326	3.190	7,41	7
119.	BCL2/PVC/PVC-F/GSWB/ST2	6 x 4	20,2		211	707	4,61	15
120.	BCL2/PVC/PVC-F/GSWB/ST2	7 x 4	20,2		246	734	4,61	13
121.	BCL2/PVC/PVC-F/GSWB/ST2	8 x 4	23,0		282	915	4,61	13
122.	BCL2/PVC/PVC-F/GSWB/ST2	9 x 4	23,0		317	942	4,61	13
123.	BCL2/PVC/PVC-F/GSWB/ST2	10 x 4	24,7		352	1.077	4,61	13
124.	BCL2/PVC/PVC-F/GSWB/ST2	12 x 4	25,4		423	1.177	4,61	13
125.	BCL2/PVC/PVC-F/GSWB/ST2	14 x 4	26,6		493	1.309	4,61	13
126.	BCL2/PVC/PVC-F/GSWB/ST2	16 x 4	28,1		563	1.466	4,61	13
127.	BCL2/PVC/PVC-F/GSWB/ST2	18 x 4	29,5		634	1.619	4,61	13
128.	BCL2/PVC/PVC-F/GSWB/ST2	19 x 4	29,5		669	1.645	4,61	13
129.	BCL2/PVC/PVC-F/GSWB/ST2	24 x 4	34,8		845	2.213	4,61	13
130.	BCL2/PVC/PVC-F/GSWB/ST2	27 x 4	35,5		951	2.356	4,61	11
131.	BCL2/PVC/PVC-F/GSWB/ST2	33 x 4	38,5		1.162	2.840	4,61	11
132.	BCL2/PVC/PVC-F/GSWB/ST2	37 x 4	39,9		1.303	3.084	4,61	11
133.	BCL2/PVC/PVC-F/GSWB/ST2	48 x 4	45,9		1.690	4.035	4,61	9
134.	BCL2/PVC/PVC-F/GSWB/ST2	61 x 4	50,1		2.148	4.894	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