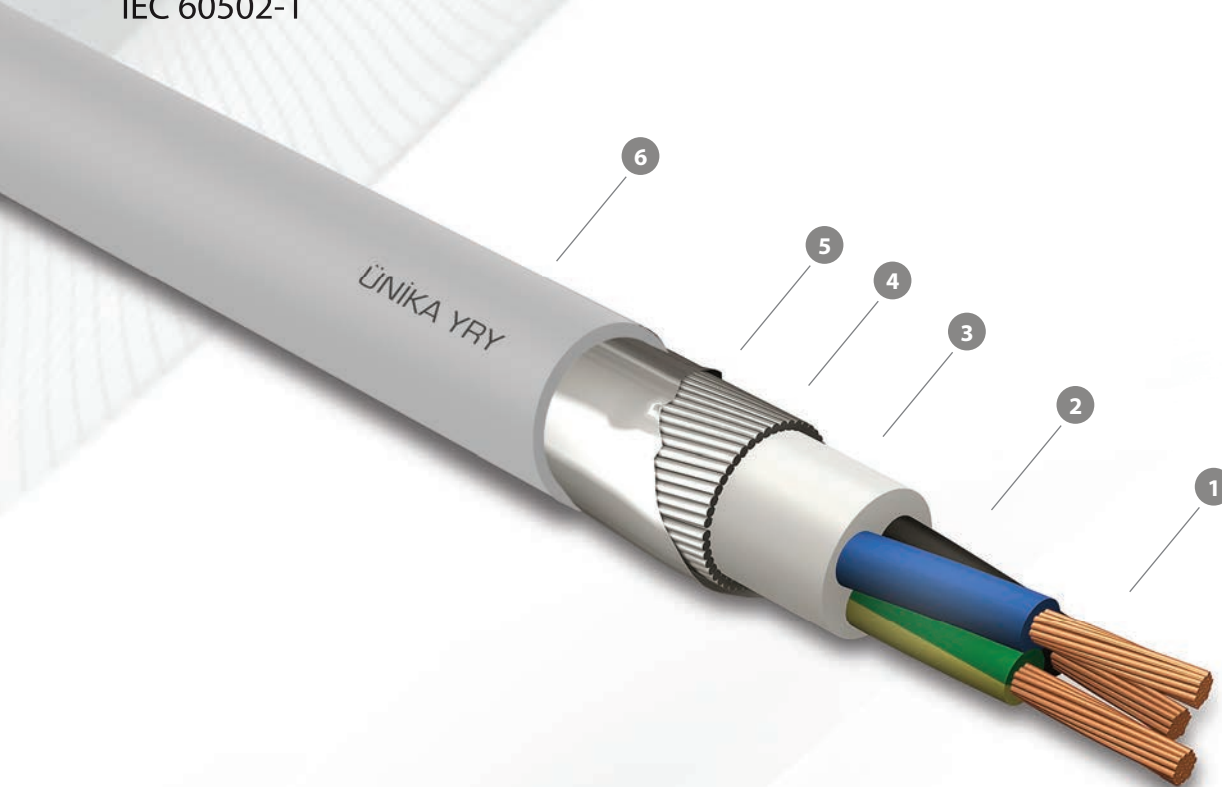


U-2VOVR / YRY 0,6/1kV
 CU/PVC/PVC-F/GSWA/PVC
 IEC 60502-1



»» 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 in accordance with IEC 60502-1
- ⑤ **Tape** : Polyester or steel wrapping tape
- ⑥ **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-2VOVR / YRY 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/GSWA/ST2	1 x 1,5	10,2		13	194	12,1	14
2.	BCL2/PVC/PVC-F/GSWA/ST2	1 x 2,5	10,6		22	213	7,41	20
3.	BCL2/PVC/PVC-F/GSWA/ST2	1 x 4	11,6		35	260	4,61	28
4.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 6	12,0		52	292	3,08	36
5.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 10	12,8		87	353	1,83	50
6.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 16	13,7		136	429	1,15	67
7.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 25	15,3		216	572	0,727	89
8.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 35	17,3		302	805	0,524	110
9.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 50	18,8		408	984	0,387	138
10.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 70	20,4		588	1.235	0,268	170
11.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 95	23,8		822	1.768	0,193	206
12.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 120	25,2		1.033	2.064	0,153	239
13.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 150	27,0		1.270	2.421	0,124	274
14.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 185	29,2		1.588	2.880	0,0991	313
15.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 240	32,1		2.086	3.561	0,0754	368
16.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 300	35,7		2.618	4.525	0,0601	424
17.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 400	39,3		3.343	5.535	0,047	507
18.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 500	42,9		4.292	6.733	0,0366	583
19.	BCCU/PVC/PVC-F/GSWA/ST2	1 x 630	47,8		5.540	8.703	0,0283	674
20.	BCL2/PVC/PVC-F/GSWA/ST2	2 x 1,5	13,4		27	330	12,1	12
21.	BCL2/PVC/PVC-F/GSWA/ST2	2 x 2,5	14,2		43	379	7,41	17
22.	BCL2/PVC/PVC-F/GSWA/ST2	2 x 4	17,0		70	607	4,61	24
23.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 6	17,8		106	684	3,08	31
24.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 10	19,4		176	841	1,83	43
25.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 16	21,2		274	1.037	1,15	57
26.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 25	25,7		435	1.625	0,727	76
27.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 35	27,9		607	1.973	0,524	94
28.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 50	31,3		820	2.449	0,387	117
29.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 70	35,5		1.183	3.328	0,268	145
30.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 95	40,5		1.653	4.330	0,193	175
31.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 120	43,5		2.078	5.038	0,153	203
32.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 150	48,7		2.554	6.430	0,124	233
33.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 185	53,1		3.194	7.605	0,0991	266
34.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 240	58,9		4.197	9.417	0,0754	313
35.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 300	64,9		5.266	11.389	0,0601	360
36.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 400	71,3		6.725	13.873	0,047	431
37.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 500	80,4		8.635	18.012	0,0366	495
38.	BCCU/PVC/PVC-F/GSWA/ST2	2 x 630	87,8		11.145	21.893	0,0283	573
39.	BCL2/PVC/PVC-F/GSWA/ST2	3 x 1,5	13,9		40	362	12,1	10
40.	BCL2/PVC/PVC-F/GSWA/ST2	3 x 2,5	14,8		65	424	7,41	14
41.	BCL2/PVC/PVC-F/GSWA/ST2	3 x 4	17,7		105	668	4,61	19
42.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 6	18,5		158	763	3,08	25
43.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 10	20,2		264	968	1,83	35
44.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 16	23,5		411	1.422	1,15	47
45.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 25	26,9		652	1.923	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-2VOVR / YRY 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/GSWA/ST2	3 x 35	29,5		910	2.355	0,524	77
47.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 50	32,9		1.230	2.964	0,387	96
48.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 70	38,0		1.774	4.111	0,268	119
49.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 95	42,7		2.478	5.257	0,193	144
50.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 120	47,1		3.117	6.650	0,153	167
51.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 150	51,6		3.830	7.909	0,124	192
52.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 185	56,3		4.789	9.454	0,0991	219
53.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 240	62,9		6.294	11.871	0,0754	258
54.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 300	68,9		7.897	14.333	0,0601	296
55.	BCCU/PVC/PVC-F/GSWA/ST2	3 x 400	77,7		10.085	18.524	0,047	355
56.	BCL2/PVC/PVC-F/GSWA/ST2	4 x 1,5	14,7		54	409	12,1	10
57.	BCL2/PVC/PVC-F/GSWA/ST2	4 x 2,5	16,6		87	596	7,41	14
58.	BCL2/PVC/PVC-F/GSWA/ST2	4 x 4	18,9		141	769	4,61	19
59.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 6	19,8		211	895	3,08	25
60.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 10	23,0		352	1.335	1,83	35
61.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 16	25,2		549	1.672	1,15	47
62.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 25	29,3		870	2.309	0,727	62
63.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 35	32,1		1.215	2.862	0,524	77
64.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 50	37,3		1.641	3.925	0,387	96
65.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 70	41,4		2.368	5.019	0,268	119
66.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 95	48,3		3.308	6.995	0,193	144
67.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 120	51,8		4.160	8.213	0,153	167
68.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 150	56,6		5.112	9.750	0,124	192
69.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 185	62,2		6.392	11.819	0,0991	219
70.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 240	69,1		8.400	14.785	0,0754	258
71.	BCCU/PVC/PVC-F/GSWA/ST2	4 x 300	77,7		10.540	18.898	0,0601	296
72.	BCL2/PVC/PVC-F/GSWA/ST2	5 x 1,5	16,5		67	568	12,1	8
73.	BCL2/PVC/PVC-F/GSWA/ST2	5 x 2,5	17,6		109	669	7,41	11
74.	BCL2/PVC/PVC-F/GSWA/ST2	5 x 4	20,2		176	888	4,61	15
75.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 6	21,2		264	1.028	3,08	20
76.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 10	24,7		441	1.539	1,83	28
77.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 16	27,1		687	1.956	1,15	38
78.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 25	31,8		1.088	2.725	0,727	50
79.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 35	36,2		1.520	3.684	0,524	62
80.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 50	40,6		2.054	4.670	0,387	77
81.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 70	46,2		2.963	6.379	0,268	95
82.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 95	52,8		4.139	8.339	0,193	115
83.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 120	56,8		5.205	9.902	0,153	133
84.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 150	62,5		6.397	11.856	0,124	153
85.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 185	68,3		7.999	14.294	0,0991	175
86.	BCCU/PVC/PVC-F/GSWA/ST2	5 x 240	77,9		10.511	18.917	0,0754	206
87.	BCL2/PVC/PVC-F/GSWA/ST2	6 x 1,5	17,4		81	641	12,1	8
88.	BCL2/PVC/PVC-F/GSWA/ST2	7 x 1,5	17,4		94	651	12,1	7
89.	BCL2/PVC/PVC-F/GSWA/ST2	8 x 1,5	19,4		108	784	12,1	7
90.	BCL2/PVC/PVC-F/GSWA/ST2	9 x 1,5	19,4		121	795	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-2VOVR / YRY 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/GSWA/ST2	10 x 1,5	20,6		135	886	12,1	7
92.	BCL2/PVC/PVC-F/GSWA/ST2	12 x 1,5	21,1		162	938	12,1	7
93.	BCL2/PVC/PVC-F/GSWA/ST2	14 x 1,5	23,2		189	1.208	12,1	7
94.	BCL2/PVC/PVC-F/GSWA/ST2	16 x 1,5	24,1		216	1.308	12,1	7
95.	BCL2/PVC/PVC-F/GSWA/ST2	18 x 1,5	25,1		243	1.411	12,1	7
96.	BCL2/PVC/PVC-F/GSWA/ST2	19 x 1,5	25,1		256	1.421	12,1	7
97.	BCL2/PVC/PVC-F/GSWA/ST2	24 x 1,5	28,4		324	1.770	12,1	7
98.	BCL2/PVC/PVC-F/GSWA/ST2	27 x 1,5	28,9		364	1.848	12,1	6
99.	BCL2/PVC/PVC-F/GSWA/ST2	33 x 1,5	30,6		445	2.089	12,1	6
100.	BCL2/PVC/PVC-F/GSWA/ST2	37 x 1,5	31,8		499	2.227	12,1	6
101.	BCL2/PVC/PVC-F/GSWA/ST2	48 x 1,5	36,8		648	3.036	12,1	5
102.	BCL2/PVC/PVC-F/GSWA/ST2	61 x 1,5	39,7		823	3.540	12,1	5
103.	BCL2/PVC/PVC-F/GSWA/ST2	6 x 2,5	18,7		130	755	7,41	11
104.	BCL2/PVC/PVC-F/GSWA/ST2	7 x 2,5	18,7		152	772	7,41	9
105.	BCL2/PVC/PVC-F/GSWA/ST2	8 x 2,5	20,9		174	928	7,41	9
106.	BCL2/PVC/PVC-F/GSWA/ST2	9 x 2,5	20,9		196	946	7,41	9
107.	BCL2/PVC/PVC-F/GSWA/ST2	10 x 2,5	23,6		217	1.265	7,41	9
108.	BCL2/PVC/PVC-F/GSWA/ST2	12 x 2,5	24,1		261	1.343	7,41	9
109.	BCL2/PVC/PVC-F/GSWA/ST2	14 x 2,5	25,1		304	1.459	7,41	9
110.	BCL2/PVC/PVC-F/GSWA/ST2	16 x 2,5	26,1		348	1.582	7,41	9
111.	BCL2/PVC/PVC-F/GSWA/ST2	18 x 2,5	27,2		391	1.711	7,41	9
112.	BCL2/PVC/PVC-F/GSWA/ST2	19 x 2,5	27,2		413	1.727	7,41	9
113.	BCL2/PVC/PVC-F/GSWA/ST2	24 x 2,5	30,9		522	2.170	7,41	9
114.	BCL2/PVC/PVC-F/GSWA/ST2	27 x 2,5	31,7		587	2.289	7,41	8
115.	BCL2/PVC/PVC-F/GSWA/ST2	33 x 2,5	34,6		717	2.841	7,41	8
116.	BCL2/PVC/PVC-F/GSWA/ST2	37 x 2,5	36,1		804	3.073	7,41	8
117.	BCL2/PVC/PVC-F/GSWA/ST2	48 x 2,5	40,7		1.043	3.823	7,41	7
118.	BCL2/PVC/PVC-F/GSWA/ST2	61 x 2,5	43,9		1.326	4.447	7,41	7
119.	BCL2/PVC/PVC-F/GSWA/ST2	6 x 4	22,8		211	1.204	4,61	15
120.	BCL2/PVC/PVC-F/GSWA/ST2	7 x 4	22,8		246	1.231	4,61	13
121.	BCL2/PVC/PVC-F/GSWA/ST2	8 x 4	25,6		282	1.484	4,61	13
122.	BCL2/PVC/PVC-F/GSWA/ST2	9 x 4	25,6		317	1.511	4,61	13
123.	BCL2/PVC/PVC-F/GSWA/ST2	10 x 4	27,3		352	1.689	4,61	13
124.	BCL2/PVC/PVC-F/GSWA/ST2	12 x 4	28,2		423	1.830	4,61	13
125.	BCL2/PVC/PVC-F/GSWA/ST2	14 x 4	29,4		493	1.992	4,61	13
126.	BCL2/PVC/PVC-F/GSWA/ST2	16 x 4	30,7		563	2.181	4,61	13
127.	BCL2/PVC/PVC-F/GSWA/ST2	18 x 4	32,3		634	2.377	4,61	13
128.	BCL2/PVC/PVC-F/GSWA/ST2	19 x 4	32,3		669	2.403	4,61	13
129.	BCL2/PVC/PVC-F/GSWA/ST2	24 x 4	38,4		845	3.387	4,61	13
130.	BCL2/PVC/PVC-F/GSWA/ST2	27 x 4	39,1		951	3.553	4,61	11
131.	BCL2/PVC/PVC-F/GSWA/ST2	33 x 4	41,7		1.162	4.031	4,61	11
132.	BCL2/PVC/PVC-F/GSWA/ST2	37 x 4	43,1		1.303	4.318	4,61	11
133.	BCL2/PVC/PVC-F/GSWA/ST2	48 x 4	50,3		1.690	5.924	4,61	9
134.	BCL2/PVC/PVC-F/GSWA/ST2	61 x 4	54,3		2.148	6.901	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