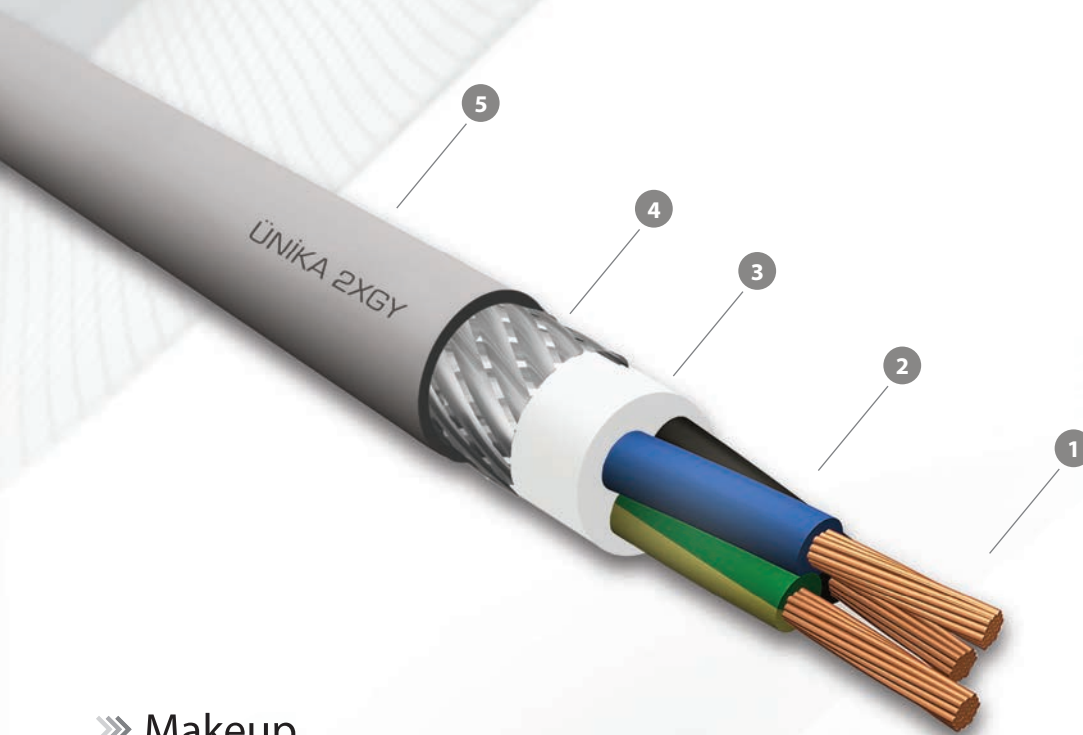


U-2XOVG / 2XGY 0,6/1kV  
 CU/XLPE/PVC-F/GSWB/PVC  
 IEC 60502-1



## »» Makeup

- 1 **Conductor** : Annealed circular stranded or compact copper wires complying with IEC 60228 Class 2
- 2 **Insulation** : Cross-linked polyethylene, XLPE 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** : -15/90 °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 )

**Cold Bend** : IEC 60811-504 ( -40°C ) Optional

**Cold Impact** : IEC 60811-506 ( -35°C ) Optional

**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-2XOVG / 2XGY 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/XLPE/PVC-F/GSWB/ST2	1 x 1,5	9,2		13	118	12,1	23
2.	BCL2/XLPE/PVC-F/GSWB/ST2	1 x 2,5	9,6		22	135	7,41	30
3.	BCL2/XLPE/PVC-F/GSWB/ST2	1 x 4	10,2		35	158	4,61	40
4.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 6	10,6		52	183	3,08	52
5.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 10	11,4		87	233	1,83	72
6.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 16	12,3		136	300	1,15	96
7.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 25	13,9		216	416	0,727	127
8.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 35	15,0		302	522	0,524	157
9.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 50	16,7		408	687	0,387	196
10.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 70	18,5		588	911	0,268	242
11.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 95	20,2		822	1.183	0,193	293
12.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 120	21,8		1.033	1.438	0,153	339
13.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 150	23,6		1.270	1.725	0,124	389
14.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 185	25,6		1.588	2.099	0,0991	444
15.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 240	28,3		2.086	2.677	0,0754	522
16.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 300	30,7		2.618	3.274	0,0601	601
17.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 400	34,5		3.343	4.155	0,047	719
18.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 500	38,5		4.292	5.308	0,0366	827
19.	BCCU/XLPE/PVC-F/GSWB/ST2	1 x 630	42,6		5.540	6.715	0,0283	955
20.	BCL2/XLPE/PVC-F/GSWB/ST2	2 x 1,5	12,2		27	210	12,1	20
21.	BCL2/XLPE/PVC-F/GSWB/ST2	2 x 2,5	13,0		43	249	7,41	26
22.	BCL2/XLPE/PVC-F/GSWB/ST2	2 x 4	14,1		70	307	4,61	34
23.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 6	14,9		106	364	3,08	44
24.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 10	16,9		176	514	1,83	61
25.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 16	18,7		274	675	1,15	82
26.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 25	21,9		435	967	0,727	108
27.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 35	24,1		607	1.233	0,524	133
28.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 50	26,7		820	1.567	0,387	167
29.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 70	30,5		1.183	2.127	0,268	206
30.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 95	34,7		1.653	2.845	0,193	249
31.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 120	38,5		2.078	3.569	0,153	288
32.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 150	42,3		2.554	4.325	0,124	331
33.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 185	47,1		3.194	5.363	0,0991	377
34.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 240	52,3		4.197	6.805	0,0754	444
35.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 300	57,9		5.266	8.416	0,0601	511
36.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 400	64,3		6.725	10.539	0,047	611
37.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 500	72,1		8.635	13.368	0,0366	703
38.	BCCU/XLPE/PVC-F/GSWB/ST2	2 x 630	80,5		11.145	16.935	0,0283	812
39.	BCL2/XLPE/PVC-F/GSWB/ST2	3 x 1,5	12,6		40	232	12,1	16
40.	BCL2/XLPE/PVC-F/GSWB/ST2	3 x 2,5	13,5		65	280	7,41	21
41.	BCL2/XLPE/PVC-F/GSWB/ST2	3 x 4	14,7		105	352	4,61	28
42.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 6	15,9		158	456	3,08	36
43.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 10	17,6		264	615	1,83	50
44.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 16	19,6		411	827	1,15	67
45.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 25	23,0		652	1.201	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-2XOVG / 2XGY 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.					
46.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 35	25,4		910	1.552	0,524	110
47.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 50	28,4		1.230	2.005	0,387	137
48.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 70	32,9		1.774	2.779	0,268	169
49.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 95	37,3		2.478	3.772	0,193	205
50.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 120	41,0		3.117	4.639	0,153	237
51.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 150	45,5		3.830	5.678	0,124	272
52.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 185	50,2		4.789	6.995	0,0991	311
53.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 240	56,4		6.294	9.011	0,0754	365
54.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 300	61,9		7.897	11.090	0,0601	421
55.	BCCU/XLPE/PVC-F/GSWB/ST2	3 x 400	68,8		10.085	13.931	0,047	503
56.	BCL2/XLPE/PVC-F/GSWB/ST2	4 x 1,5	13,4		54	266	12,1	16
57.	BCL2/XLPE/PVC-F/GSWB/ST2	4 x 2,5	14,4		87	325	7,41	21
58.	BCL2/XLPE/PVC-F/GSWB/ST2	4 x 4	16,1		141	444	4,61	28
59.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 6	17,0		211	543	3,08	36
60.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 10	19,0		352	745	1,83	50
61.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 16	21,1		549	1.014	1,15	67
62.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 25	25,0		870	1.491	0,727	89
63.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 35	27,7		1.215	1.940	0,524	110
64.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 50	31,2		1.641	2.533	0,387	137
65.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 70	36,5		2.368	3.599	0,268	169
66.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 95	41,0		3.308	4.792	0,193	205
67.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 120	45,5		4.160	5.953	0,153	137
68.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 150	50,3		5.112	7.257	0,124	272
69.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 185	55,9		6.392	9.005	0,0991	311
70.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 240	62,3		8.400	11.544	0,0754	365
71.	BCCU/XLPE/PVC-F/GSWB/ST2	4 x 300	68,5		10.540	14.237	0,0601	421
72.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 1,5	14,3		67	304	12,1	13
73.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 2,5	15,8		109	406	7,41	17
74.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 4	17,2		176	517	4,61	22
75.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 6	18,8		264	656	3,08	29
76.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 10	21,2		441	913	1,83	40
77.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 16	23,9		687	1.255	1,15	54
78.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 25	28,7		1.088	1.869	0,727	71
79.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 35	31,9		1.520	2.451	0,524	88
80.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 50	35,9		2.054	3.203	0,387	110
81.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 70	41,9		2.963	4.514	0,268	136
82.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 95	47,7		4.139	6.075	0,193	164
83.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 120	52,3		5.205	7.484	0,153	190
84.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 150	58,8		6.397	9.239	0,124	218
85.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 185	65,1		7.999	11.407	0,0991	249
86.	BCL2/XLPE/PVC-F/GSWB/ST2	5 x 240	73,1		10.511	14.692	0,0754	292
87.	BCL2/XLPE/PVC-F/GSWB/ST2	6 x 1,5	15,5		81	373	12,1	11
88.	BCL2/XLPE/PVC-F/GSWB/ST2	7 x 1,5	15,5		94	380	12,1	11
89.	BCL2/XLPE/PVC-F/GSWB/ST2	8 x 1,5	17,3		108	467	12,1	11
90.	BCL2/XLPE/PVC-F/GSWB/ST2	9 x 1,5	17,3		121	476	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-2XOVG / 2XGY 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/XLPE/PVC-F/GSWB/ST2	10 x 1,5	18,5		135	537	12,1	11
92.	BCL2/XLPE/PVC-F/GSWB/ST2	12 x 1,5	19,0		162	576	12,1	11
93.	BCL2/XLPE/PVC-F/GSWB/ST2	14 x 1,5	19,7		189	629	12,1	11
94.	BCL2/XLPE/PVC-F/GSWB/ST2	16 x 1,5	20,6		216	689	12,1	11
95.	BCL2/XLPE/PVC-F/GSWB/ST2	18 x 1,5	21,5		243	753	12,1	11
96.	BCL2/XLPE/PVC-F/GSWB/ST2	19 x 1,5	21,5		256	761	12,1	11
97.	BCL2/XLPE/PVC-F/GSWB/ST2	24 x 1,5	24,4		324	977	12,1	11
98.	BCL2/XLPE/PVC-F/GSWB/ST2	27 x 1,5	24,9		364	1.030	12,1	10
99.	BCL2/XLPE/PVC-F/GSWB/ST2	33 x 1,5	26,5		445	1.182	12,1	10
100.	BCL2/XLPE/PVC-F/GSWB/ST2	37 x 1,5	27,4		499	1.275	12,1	10
101.	BCL2/XLPE/PVC-F/GSWB/ST2	48 x 1,5	31,2		648	1.644	12,1	8
102.	BCL2/XLPE/PVC-F/GSWB/ST2	61 x 1,5	34,3		823	2.001	12,1	8
103.	BCL2/XLPE/PVC-F/GSWB/ST2	6 x 2,5	16,8		130	463	7,41	15
104.	BCL2/XLPE/PVC-F/GSWB/ST2	7 x 2,5	16,8		152	476	7,41	15
105.	BCL2/XLPE/PVC-F/GSWB/ST2	8 x 2,5	18,9		174	586	7,41	15
106.	BCL2/XLPE/PVC-F/GSWB/ST2	9 x 2,5	18,9		196	600	7,41	15
107.	BCL2/XLPE/PVC-F/GSWB/ST2	10 x 2,5	20,2		217	680	7,41	15
108.	BCL2/XLPE/PVC-F/GSWB/ST2	12 x 2,5	20,7		261	736	7,41	15
109.	BCL2/XLPE/PVC-F/GSWB/ST2	14 x 2,5	21,6		304	812	7,41	15
110.	BCL2/XLPE/PVC-F/GSWB/ST2	16 x 2,5	22,5		348	894	7,41	15
111.	BCL2/XLPE/PVC-F/GSWB/ST2	18 x 2,5	23,6		391	983	7,41	15
112.	BCL2/XLPE/PVC-F/GSWB/ST2	19 x 2,5	23,6		413	996	7,41	15
113.	BCL2/XLPE/PVC-F/GSWB/ST2	24 x 2,5	26,9		522	1.285	7,41	15
114.	BCL2/XLPE/PVC-F/GSWB/ST2	27 x 2,5	27,5		587	1.362	7,41	13
115.	BCL2/XLPE/PVC-F/GSWB/ST2	33 x 2,5	29,5		717	1.591	7,41	13
116.	BCL2/XLPE/PVC-F/GSWB/ST2	37 x 2,5	30,5		804	1.724	7,41	13
117.	BCL2/XLPE/PVC-F/GSWB/ST2	48 x 2,5	35,2		1.043	2.265	7,41	11
118.	BCL2/XLPE/PVC-F/GSWB/ST2	61 x 2,5	38,7		1.326	2.804	7,41	11
119.	BCL2/XLPE/PVC-F/GSWB/ST2	6 x 4	18,4		211	596	4,61	20
120.	BCL2/XLPE/PVC-F/GSWB/ST2	7 x 4	18,4		246	619	4,61	20
121.	BCL2/XLPE/PVC-F/GSWB/ST2	8 x 4	20,8		282	765	4,61	20
122.	BCL2/XLPE/PVC-F/GSWB/ST2	9 x 4	20,8		317	789	4,61	20
123.	BCL2/XLPE/PVC-F/GSWB/ST2	10 x 4	22,3		352	898	4,61	20
124.	BCL2/XLPE/PVC-F/GSWB/ST2	12 x 4	22,9		423	981	4,61	20
125.	BCL2/XLPE/PVC-F/GSWB/ST2	14 x 4	24,0		493	1.089	4,61	20
126.	BCL2/XLPE/PVC-F/GSWB/ST2	16 x 4	25,1		563	1.208	4,61	20
127.	BCL2/XLPE/PVC-F/GSWB/ST2	18 x 4	26,3		634	1.331	4,61	20
128.	BCL2/XLPE/PVC-F/GSWB/ST2	19 x 4	26,3		669	1.355	4,61	20
129.	BCL2/XLPE/PVC-F/GSWB/ST2	24 x 4	30,4		845	1.771	4,61	20
130.	BCL2/XLPE/PVC-F/GSWB/ST2	27 x 4	31,2		951	1.902	4,61	17
131.	BCL2/XLPE/PVC-F/GSWB/ST2	33 x 4	33,7		1.162	2.253	4,61	17
132.	BCL2/XLPE/PVC-F/GSWB/ST2	37 x 4	35,1		1.303	2.466	4,61	17
133.	BCL2/XLPE/PVC-F/GSWB/ST2	48 x 4	40,4		1.690	3.271	4,61	14
134.	BCL2/XLPE/PVC-F/GSWB/ST2	61 x 4	44,3		2.148	3.996	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