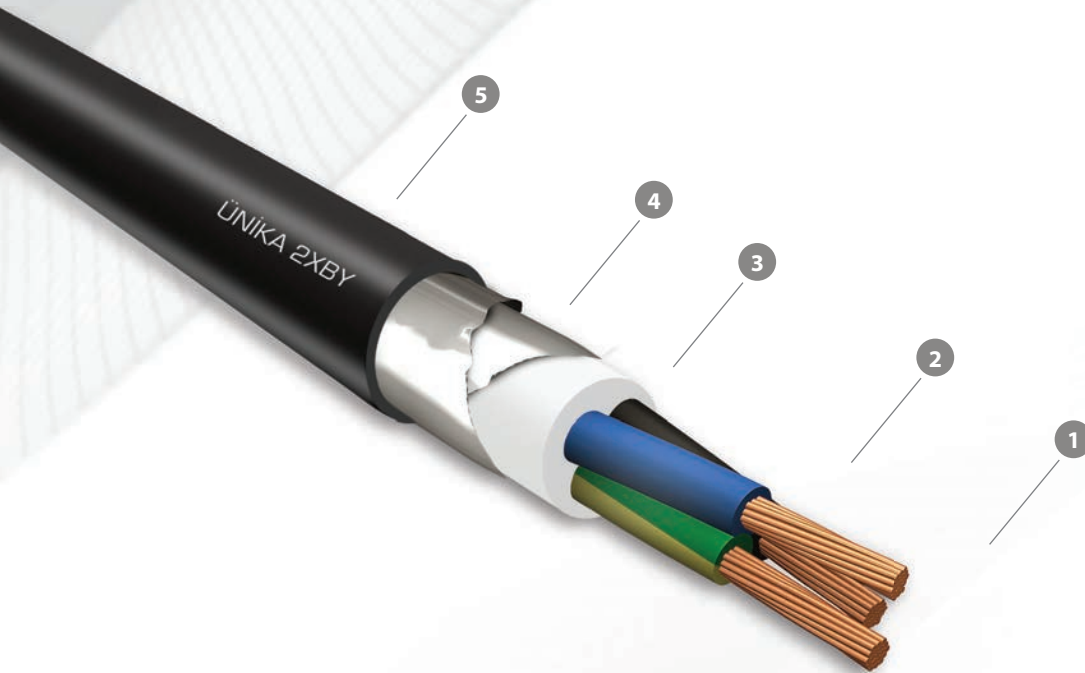


U-2XOVGt2 / 2XBY 0,6/1kV
 CU/XLPE/PVC-F/DGST/PVC
 IEC 60502-1



»» Makeup

- 1 **Conductor** : Annealed circular stranded or compact copper wires complying with IEC 60228 Class 2
- 2 **Insulation** : Cross-linked polyethylene, XLPE in accordance with IEC 60502-1
- 3 **Bedding** : Polyvinyl chloride (PVC) compound
- 4 **Armour** : Double galvanized steel tape
- 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-2XOVGt2 / 2XBY 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/XLPE/PVC-F/DGST/ST2	1 x 1,5	9,2		13	140	12,1	23
2.	BCL2/XLPE/PVC-F/DGST/ST2	1 x 2,5	9,6		22	158	7,41	30
3.	BCL2/XLPE/PVC-F/DGST/ST2	1 x 4	10,2		35	185	4,61	40
4.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 6	10,6		52	211	3,08	52
5.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 10	11,4		87	265	1,83	72
6.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 16	12,3		136	336	1,15	96
7.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 25	13,9		216	458	0,727	127
8.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 35	15,0		302	571	0,524	157
9.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 50	16,3		408	711	0,387	196
10.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 70	18,1		588	939	0,268	242
11.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 95	19,8		822	1.215	0,193	293
12.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 120	21,4		1.033	1.473	0,153	339
13.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 150	23,2		1.270	1.764	0,124	389
14.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 185	25,2		1.588	2.143	0,0991	444
15.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 240	27,7		2.086	2.714	0,0754	522
16.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 300	30,3		2.618	3.330	0,0601	601
17.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 400	33,9		3.343	4.202	0,047	719
18.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 500	38,9		4.292	5.760	0,0366	827
19.	BCCU/XLPE/PVC-F/DGST/ST2	1 x 630	43,0		5.540	7.220	0,0283	955
20.	BCL2/XLPE/PVC-F/DGST/ST2	2 x 1,5	12,2		27	245	12,1	20
21.	BCL2/XLPE/PVC-F/DGST/ST2	2 x 2,5	13,0		43	288	7,41	26
22.	BCL2/XLPE/PVC-F/DGST/ST2	2 x 4	14,1		70	351	4,61	34
23.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 6	14,9		106	411	3,08	44
24.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 10	16,5		176	538	1,83	61
25.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 16	18,3		274	704	1,15	82
26.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 25	21,5		435	1.003	0,727	108
27.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 35	23,7		607	1.273	0,524	133
28.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 50	26,3		820	1.614	0,387	167
29.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 70	30,1		1.183	2.181	0,268	206
30.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 95	34,3		1.653	2.909	0,193	249
31.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 120	38,9		2.078	4.021	0,153	288
32.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 150	42,7		2.554	4.824	0,124	331
33.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 185	47,5		3.194	5.924	0,0991	377
34.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 240	52,9		4.197	7.458	0,0754	444
35.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 300	58,3		5.266	9.116	0,0601	511
36.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 400	64,9		6.725	11.351	0,047	611
37.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 500	72,5		8.635	14.247	0,0366	703
38.	BCCU/XLPE/PVC-F/DGST/ST2	2 x 630	82,1		11.145	18.928	0,0283	812
39.	BCL2/XLPE/PVC-F/DGST/ST2	3 x 1,5	12,6		40	270	12,1	16
40.	BCL2/XLPE/PVC-F/DGST/ST2	3 x 2,5	13,5		65	322	7,41	21
41.	BCL2/XLPE/PVC-F/DGST/ST2	3 x 4	14,7		105	399	4,61	28
42.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 6	15,5		158	478	3,08	36
43.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 10	17,2		264	641	1,83	50
44.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 16	19,2		411	856	1,15	67
45.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 25	22,6		652	1.240	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-2XOVGt2 / 2XBY 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/XLPE/PVC-F/DGST/ST2	3 x 35	25,0		910	1.595	0,524	110
47.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 50	27,8		1.230	2.042	0,387	137
48.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 70	32,5		1.774	2.838	0,268	169
49.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 95	37,7		2.478	4.208	0,193	205
50.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 120	41,4		3.117	5.123	0,153	237
51.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 150	45,9		3.830	6.219	0,124	272
52.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 185	50,6		4.789	7.594	0,0991	311
53.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 240	56,8		6.294	9.687	0,0754	365
54.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 300	62,3		7.897	11.841	0,0601	421
55.	BCCU/XLPE/PVC-F/DGST/ST2	3 x 400	69,2		10.085	14.769	0,047	503
56.	BCL2/XLPE/PVC-F/DGST/ST2	4 x 1,5	13,4		54	307	12,1	16
57.	BCL2/XLPE/PVC-F/DGST/ST2	4 x 2,5	14,4		87	371	7,41	21
58.	BCL2/XLPE/PVC-F/DGST/ST2	4 x 4	15,7		141	467	4,61	28
59.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 6	16,6		211	567	3,08	36
60.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 10	18,6		352	774	1,83	50
61.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 16	20,7		549	1.048	1,15	67
62.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 25	24,6		870	1.533	0,727	89
63.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 35	27,3		1.215	1.989	0,524	110
64.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 50	30,6		1.641	2.576	0,387	137
65.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 70	36,9		2.368	4.024	0,268	169
66.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 95	41,4		3.308	5.275	0,193	205
67.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 120	45,9		4.160	6.496	0,153	137
68.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 150	50,7		5.112	7.857	0,124	272
69.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 185	56,3		6.392	9.679	0,0991	311
70.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 240	62,7		8.400	12.298	0,0754	365
71.	BCCU/XLPE/PVC-F/DGST/ST2	4 x 300	68,9		10.540	15.070	0,0601	421
72.	BCL2/XLPE/PVC-F/DGST/ST2	5 x 1,5	14,3		67	349	12,1	13
73.	BCL2/XLPE/PVC-F/DGST/ST2	5 x 2,5	15,4		109	427	7,41	17
74.	BCL2/XLPE/PVC-F/DGST/ST2	5 x 4	16,8		176	542	4,61	22
75.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 6	17,9		264	666	3,08	29
76.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 10	20,0		441	919	1,83	40
77.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 16	22,5		687	1.255	1,15	54
78.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 25	26,8		1.088	1.852	0,727	71
79.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 35	30,0		1.520	2.428	0,524	88
80.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 50	34,3		2.054	3.205	0,387	110
81.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 70	40,7		2.963	4.901	0,268	136
82.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 95	45,9		4.139	6.475	0,193	164
83.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 120	50,6		5.205	7.946	0,153	190
84.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 150	56,3		6.397	9.686	0,124	218
85.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 185	62,1		7.999	11.867	0,0991	249
86.	BCCU/XLPE/PVC-F/DGST/ST2	5 x 240	69,3		10.511	15.109	0,0754	292
87.	BCL2/XLPE/PVC-F/DGST/ST2	6 x 1,5	15,1		81	394	12,1	11
88.	BCL2/XLPE/PVC-F/DGST/ST2	7 x 1,5	15,1		94	402	12,1	11
89.	BCL2/XLPE/PVC-F/DGST/ST2	8 x 1,5	16,9		108	492	12,1	11
90.	BCL2/XLPE/PVC-F/DGST/ST2	9 x 1,5	16,9		121	501	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-2XOVGt2 / 2XBY 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/XLPE/PVC-F/DGST/ST2	10 x 1,5	18,1		135	565	12,1	11
92.	BCL2/XLPE/PVC-F/DGST/ST2	12 x 1,5	18,6		162	604	12,1	11
93.	BCL2/XLPE/PVC-F/DGST/ST2	14 x 1,5	19,3		189	660	12,1	11
94.	BCL2/XLPE/PVC-F/DGST/ST2	16 x 1,5	20,2		216	722	12,1	11
95.	BCL2/XLPE/PVC-F/DGST/ST2	18 x 1,5	21,1		243	788	12,1	11
96.	BCL2/XLPE/PVC-F/DGST/ST2	19 x 1,5	21,1		256	796	12,1	11
97.	BCL2/XLPE/PVC-F/DGST/ST2	24 x 1,5	24,0		324	1.019	12,1	11
98.	BCL2/XLPE/PVC-F/DGST/ST2	27 x 1,5	24,5		364	1.072	12,1	10
99.	BCL2/XLPE/PVC-F/DGST/ST2	33 x 1,5	26,1		445	1.229	12,1	10
100.	BCL2/XLPE/PVC-F/DGST/ST2	37 x 1,5	27,0		499	1.323	12,1	10
101.	BCL2/XLPE/PVC-F/DGST/ST2	48 x 1,5	30,6		648	1.687	12,1	8
102.	BCL2/XLPE/PVC-F/DGST/ST2	61 x 1,5	33,7		823	2.049	12,1	8
103.	BCL2/XLPE/PVC-F/DGST/ST2	6 x 2,5	16,4		130	486	7,41	15
104.	BCL2/XLPE/PVC-F/DGST/ST2	7 x 2,5	16,4		152	499	7,41	15
105.	BCL2/XLPE/PVC-F/DGST/ST2	8 x 2,5	18,5		174	615	7,41	15
106.	BCL2/XLPE/PVC-F/DGST/ST2	9 x 2,5	18,5		196	629	7,41	15
107.	BCL2/XLPE/PVC-F/DGST/ST2	10 x 2,5	19,8		217	713	7,41	15
108.	BCL2/XLPE/PVC-F/DGST/ST2	12 x 2,5	20,3		261	769	7,41	15
109.	BCL2/XLPE/PVC-F/DGST/ST2	14 x 2,5	21,2		304	846	7,41	15
110.	BCL2/XLPE/PVC-F/DGST/ST2	16 x 2,5	22,1		348	932	7,41	15
111.	BCL2/XLPE/PVC-F/DGST/ST2	18 x 2,5	23,2		391	1.021	7,41	15
112.	BCL2/XLPE/PVC-F/DGST/ST2	19 x 2,5	23,2		413	1.035	7,41	15
113.	BCL2/XLPE/PVC-F/DGST/ST2	24 x 2,5	26,5		522	1.333	7,41	15
114.	BCL2/XLPE/PVC-F/DGST/ST2	27 x 2,5	27,1		587	1.411	7,41	13
115.	BCL2/XLPE/PVC-F/DGST/ST2	33 x 2,5	29,1		717	1.644	7,41	13
116.	BCL2/XLPE/PVC-F/DGST/ST2	37 x 2,5	30,1		804	1.779	7,41	13
117.	BCL2/XLPE/PVC-F/DGST/ST2	48 x 2,5	34,8		1.043	2.330	7,41	11
118.	BCL2/XLPE/PVC-F/DGST/ST2	61 x 2,5	39,1		1.326	3.257	7,41	11
119.	BCL2/XLPE/PVC-F/DGST/ST2	6 x 4	18,0		211	624	4,61	20
120.	BCL2/XLPE/PVC-F/DGST/ST2	7 x 4	18,0		246	647	4,61	20
121.	BCL2/XLPE/PVC-F/DGST/ST2	8 x 4	20,4		282	798	4,61	20
122.	BCL2/XLPE/PVC-F/DGST/ST2	9 x 4	20,4		317	823	4,61	20
123.	BCL2/XLPE/PVC-F/DGST/ST2	10 x 4	21,9		352	935	4,61	20
124.	BCL2/XLPE/PVC-F/DGST/ST2	12 x 4	22,5		423	1.019	4,61	20
125.	BCL2/XLPE/PVC-F/DGST/ST2	14 x 4	23,6		493	1.130	4,61	20
126.	BCL2/XLPE/PVC-F/DGST/ST2	16 x 4	24,7		563	1.251	4,61	20
127.	BCL2/XLPE/PVC-F/DGST/ST2	18 x 4	25,9		634	1.378	4,61	20
128.	BCL2/XLPE/PVC-F/DGST/ST2	19 x 4	25,9		669	1.401	4,61	20
129.	BCL2/XLPE/PVC-F/DGST/ST2	24 x 4	30,0		845	1.826	4,61	20
130.	BCL2/XLPE/PVC-F/DGST/ST2	27 x 4	30,6		951	1.945	4,61	17
131.	BCL2/XLPE/PVC-F/DGST/ST2	33 x 4	33,3		1.162	2.315	4,61	17
132.	BCL2/XLPE/PVC-F/DGST/ST2	37 x 4	34,7		1.303	2.530	4,61	17
133.	BCL2/XLPE/PVC-F/DGST/ST2	48 x 4	40,8		1.690	3.747	4,61	14
134.	BCL2/XLPE/PVC-F/DGST/ST2	61 x 4	44,7		2.148	4.523	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