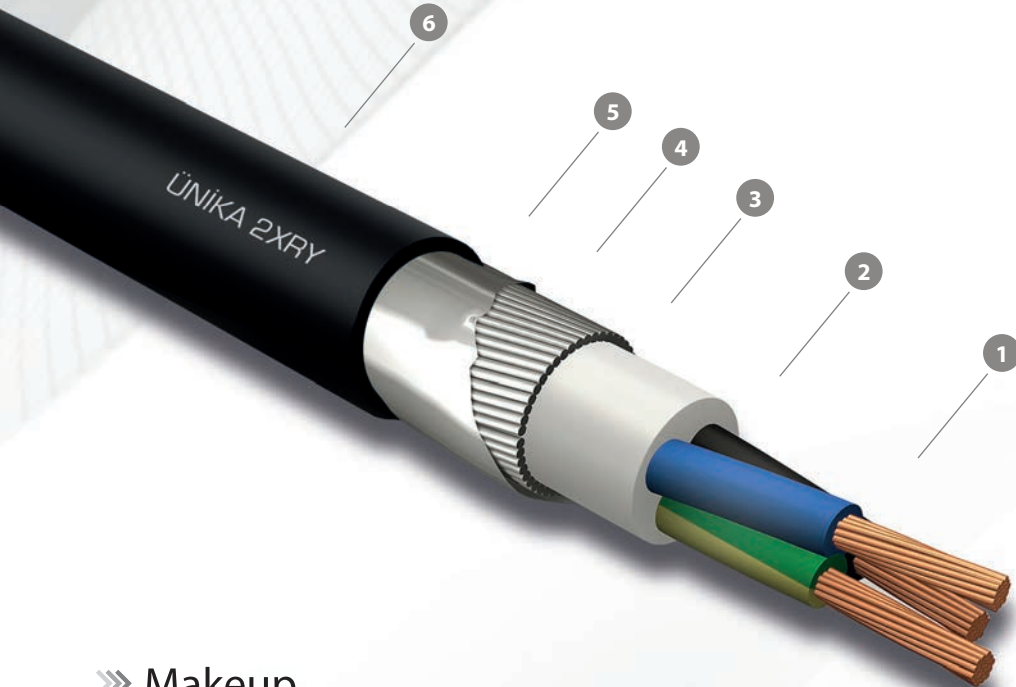


U-2XOVR / 2XRY 0,6/1kV
 CU/XLPE/PVC-F/GSWA/PVC
 IEC 60502-1



»» Makeup

- ① **Conductor** : Annealed circular stranded or compact copper wires complying with IEC 60228 Class 2
- ② **Insulation** : Cross-linked polyethylene, XLPE 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 : -15/90 °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-2XOVR / 2XRY 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/XLPE/PVC-F/GSWA/ST2	1 x 1,5	10,0		13	183	12,1	23
2.	BCL2/XLPE/PVC-F/GSWA/ST2	1 x 2,5	10,4		22	206	7,41	30
3.	BCL2/XLPE/PVC-F/GSWA/ST2	1 x 4	11,0		35	235	4,61	40
4.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 6	11,4		52	262	3,08	52
5.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 10	12,2		87	321	1,83	72
6.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 16	13,1		136	399	1,15	96
7.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 25	14,7		216	531	0,727	127
8.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 35	16,7		302	763	0,524	157
9.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 50	18,0		408	921	0,387	196
10.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 70	19,8		588	1.181	0,268	242
11.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 95	22,8		822	1.681	0,193	293
12.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 120	24,4		1.033	1.978	0,153	339
13.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 150	26,2		1.270	2.307	0,124	389
14.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 185	28,4		1.588	2.753	0,0991	444
15.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 240	30,9		2.086	3.391	0,0754	522
16.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 300	34,5		2.618	4.321	0,0601	601
17.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 400	38,1		3.343	5.305	0,047	719
18.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 500	41,7		4.292	6.500	0,0366	827
19.	BCCU/XLPE/PVC-F/GSWA/ST2	1 x 630	47,0		5.540	8.460	0,0283	955
20.	BCL2/XLPE/PVC-F/GSWA/ST2	2 x 1,5	13,0		27	310	12,1	20
21.	BCL2/XLPE/PVC-F/GSWA/ST2	2 x 2,5	13,8		43	357	7,41	26
22.	BCL2/XLPE/PVC-F/GSWA/ST2	2 x 4	14,9		70	425	4,61	34
23.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 6	16,6		106	604	3,08	44
24.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 10	18,2		176	756	1,83	61
25.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 16	20,0		274	944	1,15	82
26.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 25	24,5		435	1.507	0,727	108
27.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 35	26,7		607	1.830	0,524	133
28.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 50	29,5		820	2.250	0,387	167
29.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 70	34,3		1.183	3.148	0,268	206
30.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 95	38,3		1.653	3.995	0,193	249
31.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 120	41,7		2.078	4.760	0,153	288
32.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 150	46,7		2.554	6.070	0,124	331
33.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 185	51,3		3.194	7.266	0,0991	377
34.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 240	56,7		4.197	8.946	0,0754	444
35.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 300	62,3		5.266	10.773	0,0601	511
36.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 400	68,7		6.725	13.186	0,047	611
37.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 500	77,8		8.635	17.169	0,0366	703
38.	BCCU/XLPE/PVC-F/GSWA/ST2	2 x 630	86,0		11.145	21.171	0,0283	812
39.	BCL2/XLPE/PVC-F/GSWA/ST2	3 x 1,5	13,4		40	334	12,1	16
40.	BCL2/XLPE/PVC-F/GSWA/ST2	3 x 2,5	14,3		65	394	7,41	21
41.	BCL2/XLPE/PVC-F/GSWA/ST2	3 x 4	16,4		105	583	4,61	28
42.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 6	17,2		158	675	3,08	36
43.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 10	18,9		264	871	1,83	50
44.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 16	20,9		411	1.108	1,15	67
45.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 25	25,6		652	1.770	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-2XOVR / 2XRY 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/GSWA/ST2	3 x 35	28,2		910	2.205	0,524	110
47.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 50	31,2		1.230	2.733	0,387	137
48.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 70	36,5		1.774	3.880	0,268	169
49.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 95	40,5		2.478	4.943	0,193	205
50.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 120	44,2		3.117	5.896	0,153	237
51.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 150	49,9		3.830	7.569	0,124	272
52.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 185	54,4		4.789	9.002	0,0991	311
53.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 240	60,6		6.294	11.265	0,0754	365
54.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 300	66,1		7.897	13.601	0,0601	421
55.	BCCU/XLPE/PVC-F/GSWA/ST2	3 x 400	74,5		10.085	17.559	0,047	503
56.	BCL2/XLPE/PVC-F/GSWA/ST2	4 x 1,5	14,2		54	376	12,1	16
57.	BCL2/XLPE/PVC-F/GSWA/ST2	4 x 2,5	15,2		87	447	7,41	21
58.	BCL2/XLPE/PVC-F/GSWA/ST2	4 x 4	17,4		141	671	4,61	28
59.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 6	18,3		211	783	3,08	36
60.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 10	20,3		352	1.021	1,83	50
61.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 16	23,7		549	1.524	1,15	67
62.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 25	27,6		870	2.117	0,727	89
63.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 35	30,5		1.215	2.652	0,524	110
64.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 50	34,8		1.641	3.565	0,387	137
65.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 70	39,7		2.368	4.744	0,268	169
66.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 95	44,2		3.308	6.046	0,193	205
67.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 120	49,9		4.160	7.845	0,153	137
68.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 150	54,5		5.112	9.264	0,124	272
69.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 185	60,1		6.392	11.266	0,0991	311
70.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 240	66,5		8.400	14.050	0,0754	365
71.	BCCU/XLPE/PVC-F/GSWA/ST2	4 x 300	74,2		10.540	17.865	0,0601	421
72.	BCL2/XLPE/PVC-F/GSWA/ST2	5 x 1,5	15,1		67	426	12,1	13
73.	BCL2/XLPE/PVC-F/GSWA/ST2	5 x 2,5	17,1		109	625	7,41	17
74.	BCL2/XLPE/PVC-F/GSWA/ST2	5 x 4	18,5		176	766	4,61	22
75.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 6	19,6		264	900	3,08	29
76.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 10	23,0		441	1.383	1,83	40
77.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 16	25,5		687	1.786	1,15	54
78.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 25	30,0		1.088	2.502	0,727	71
79.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 35	34,0		1.520	3.380	0,524	88
80.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 50	38,3		2.054	4.291	0,387	110
81.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 70	43,5		2.963	5.661	0,268	136
82.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 95	49,9		4.139	7.824	0,193	164
83.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 120	54,4		5.205	9.352	0,153	190
84.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 150	60,1		6.397	11.273	0,124	218
85.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 185	65,9		7.999	13.592	0,0991	249
86.	BCCU/XLPE/PVC-F/GSWA/ST2	5 x 240	74,6		10.511	17.897	0,0754	292
87.	BCL2/XLPE/PVC-F/GSWA/ST2	6 x 1,5	16,8		81	585	12,1	11
88.	BCL2/XLPE/PVC-F/GSWA/ST2	7 x 1,5	16,8		94	592	12,1	11
89.	BCL2/XLPE/PVC-F/GSWA/ST2	8 x 1,5	18,6		108	715	12,1	11
90.	BCL2/XLPE/PVC-F/GSWA/ST2	9 x 1,5	18,6		121	724	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-2XOVR / 2XRY 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/GSWA/ST2	10 x 1,5	19,8		135	807	12,1	11
92.	BCL2/XLPE/PVC-F/GSWA/ST2	12 x 1,5	20,3		162	851	12,1	11
93.	BCL2/XLPE/PVC-F/GSWA/ST2	14 x 1,5	21,0		189	920	12,1	11
94.	BCL2/XLPE/PVC-F/GSWA/ST2	16 x 1,5	23,2		216	1.186	12,1	11
95.	BCL2/XLPE/PVC-F/GSWA/ST2	18 x 1,5	24,1		243	1.279	12,1	11
96.	BCL2/XLPE/PVC-F/GSWA/ST2	19 x 1,5	24,1		256	1.287	12,1	11
97.	BCL2/XLPE/PVC-F/GSWA/ST2	24 x 1,5	27,0		324	1.590	12,1	11
98.	BCL2/XLPE/PVC-F/GSWA/ST2	27 x 1,5	27,5		364	1.656	12,1	10
99.	BCL2/XLPE/PVC-F/GSWA/ST2	33 x 1,5	29,3		445	1.866	12,1	10
100.	BCL2/XLPE/PVC-F/GSWA/ST2	37 x 1,5	30,2		499	1.988	12,1	10
101.	BCL2/XLPE/PVC-F/GSWA/ST2	48 x 1,5	34,8		648	2.676	12,1	8
102.	BCL2/XLPE/PVC-F/GSWA/ST2	61 x 1,5	37,9		823	3.152	12,1	8
103.	BCL2/XLPE/PVC-F/GSWA/ST2	6 x 2,5	18,1		130	694	7,41	15
104.	BCL2/XLPE/PVC-F/GSWA/ST2	7 x 2,5	18,1		152	708	7,41	15
105.	BCL2/XLPE/PVC-F/GSWA/ST2	8 x 2,5	20,2		174	863	7,41	15
106.	BCL2/XLPE/PVC-F/GSWA/ST2	9 x 2,5	20,2		196	877	7,41	15
107.	BCL2/XLPE/PVC-F/GSWA/ST2	10 x 2,5	22,8		217	1.178	7,41	15
108.	BCL2/XLPE/PVC-F/GSWA/ST2	12 x 2,5	23,3		261	1.248	7,41	15
109.	BCL2/XLPE/PVC-F/GSWA/ST2	14 x 2,5	24,2		304	1.337	7,41	15
110.	BCL2/XLPE/PVC-F/GSWA/ST2	16 x 2,5	25,1		348	1.449	7,41	15
111.	BCL2/XLPE/PVC-F/GSWA/ST2	18 x 2,5	26,2		391	1.565	7,41	15
112.	BCL2/XLPE/PVC-F/GSWA/ST2	19 x 2,5	26,2		413	1.579	7,41	15
113.	BCL2/XLPE/PVC-F/GSWA/ST2	24 x 2,5	29,7		522	1.984	7,41	15
114.	BCL2/XLPE/PVC-F/GSWA/ST2	27 x 2,5	30,3		587	2.075	7,41	13
115.	BCL2/XLPE/PVC-F/GSWA/ST2	33 x 2,5	32,3		717	2.349	7,41	13
116.	BCL2/XLPE/PVC-F/GSWA/ST2	37 x 2,5	34,3		804	2.745	7,41	13
117.	BCL2/XLPE/PVC-F/GSWA/ST2	48 x 2,5	38,8		1.043	3.439	7,41	11
118.	BCL2/XLPE/PVC-F/GSWA/ST2	61 x 2,5	41,9		1.326	3.993	7,41	11
119.	BCL2/XLPE/PVC-F/GSWA/ST2	6 x 4	19,7		211	856	4,61	20
120.	BCL2/XLPE/PVC-F/GSWA/ST2	7 x 4	19,7		246	880	4,61	20
121.	BCL2/XLPE/PVC-F/GSWA/ST2	8 x 4	23,4		282	1.277	4,61	20
122.	BCL2/XLPE/PVC-F/GSWA/ST2	9 x 4	23,4		317	1.301	4,61	20
123.	BCL2/XLPE/PVC-F/GSWA/ST2	10 x 4	24,9		352	1.453	4,61	20
124.	BCL2/XLPE/PVC-F/GSWA/ST2	12 x 4	25,5		423	1.549	4,61	20
125.	BCL2/XLPE/PVC-F/GSWA/ST2	14 x 4	26,6		493	1.687	4,61	20
126.	BCL2/XLPE/PVC-F/GSWA/ST2	16 x 4	27,7		563	1.834	4,61	20
127.	BCL2/XLPE/PVC-F/GSWA/ST2	18 x 4	29,1		634	2.000	4,61	20
128.	BCL2/XLPE/PVC-F/GSWA/ST2	19 x 4	29,1		669	2.023	4,61	20
129.	BCL2/XLPE/PVC-F/GSWA/ST2	24 x 4	34,0		845	2.778	4,61	20
130.	BCL2/XLPE/PVC-F/GSWA/ST2	27 x 4	34,8		951	2.934	4,61	17
131.	BCL2/XLPE/PVC-F/GSWA/ST2	33 x 4	37,5		1.162	3.396	4,61	17
132.	BCL2/XLPE/PVC-F/GSWA/ST2	37 x 4	38,7		1.303	3.639	4,61	17
133.	BCL2/XLPE/PVC-F/GSWA/ST2	48 x 4	43,6		1.690	4.505	4,61	14
134.	BCL2/XLPE/PVC-F/GSWA/ST2	61 x 4	48,5		2.148	5.793	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