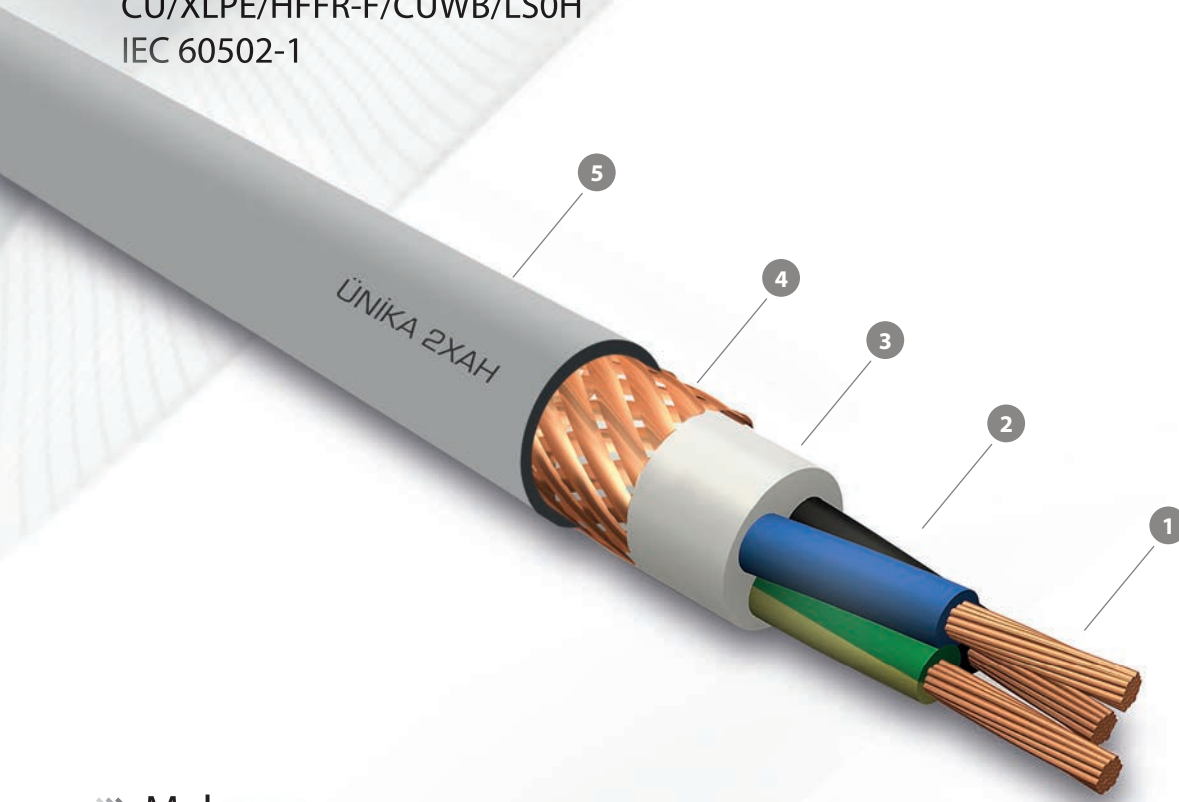


U-2XOHFA / 2XAH 0,6/1kV
 CU/XLPE/HFFR-F/CUWB/LS0H
 IEC 60502-1



» 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** : Halogen-free compound
- 4 **Armour** : Bare or tinned copper wire braid
- 5 **Outer Jacket** : Halogen-free compound ST8 in accordance with IEC 60502-1

» Technical Features

Operating Temperature : -15/90 °C
Rated Voltage : 0,6/1 kV

Design Guide : IEC 60502-1
Halogen Free Properties : IEC 60754-1 & IEC 60754-2
Low Smoke Emission : IEC 61034-1 & IEC 61034-2
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 : CSA C22.2 No. 0.3-09 (-40°C) Optional
Cold Impact : CSA C22.2 No. 0.3-09 (-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-2XOHFA / 2XAH 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/HFFR-F/BCUB/ST8	1 x 1,5	9,2		13	124	12,1	23
2.	BCL2/XLPE/HFFR-F/BCUB/ST8	1 x 2,5	9,6		22	140	7,41	30
3.	BCL2/XLPE/HFFR-F/BCUB/ST8	1 x 4	10,2		35	164	4,61	40
4.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 6	10,6		52	190	3,08	52
5.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 10	11,4		87	240	1,83	72
6.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 16	12,3		136	308	1,15	96
7.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 25	13,9		216	425	0,727	127
8.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 35	15,0		302	532	0,524	157
9.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 50	16,7		408	703	0,387	196
10.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 70	18,5		588	928	0,268	242
11.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 95	20,2		822	1.202	0,193	293
12.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 120	21,8		1.033	1.459	0,153	339
13.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 150	23,6		1.270	1.748	0,124	389
14.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 185	25,6		1.588	2.125	0,0991	444
15.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 240	28,3		2.086	2.706	0,0754	522
16.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 300	30,7		2.618	3.306	0,0601	601
17.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 400	34,5		3.343	4.192	0,047	719
18.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 500	38,5		4.292	5.360	0,0366	827
19.	BCCU/XLPE/HFFR-F/BCUB/ST8	1 x 630	42,6		5.540	6.774	0,0283	955
20.	BCL2/XLPE/HFFR-F/BCUB/ST8	2 x 1,5	12,2		27	217	12,1	20
21.	BCL2/XLPE/HFFR-F/BCUB/ST8	2 x 2,5	13,0		43	257	7,41	26
22.	BCL2/XLPE/HFFR-F/BCUB/ST8	2 x 4	14,1		70	315	4,61	34
23.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 6	14,9		106	373	3,08	44
24.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 10	16,9		176	528	1,83	61
25.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 16	18,7		274	691	1,15	82
26.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 25	21,9		435	985	0,727	108
27.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 35	24,1		607	1.252	0,524	133
28.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 50	26,7		820	1.588	0,387	167
29.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 70	30,5		1.183	2.150	0,268	206
30.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 95	34,7		1.653	2.870	0,193	249
31.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 120	38,5		2.078	3.607	0,153	288
32.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 150	42,3		2.554	4.366	0,124	331
33.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 185	47,1		3.194	5.407	0,0991	377
34.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 240	52,3		4.197	6.851	0,0754	444
35.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 300	57,9		5.266	8.464	0,0601	511
36.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 400	64,3		6.725	10.589	0,047	611
37.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 500	72,1		8.635	13.421	0,0366	703
38.	BCCU/XLPE/HFFR-F/BCUB/ST8	2 x 630	80,5		11.145	16.989	0,0283	812
39.	BCL2/XLPE/HFFR-F/BCUB/ST8	3 x 1,5	12,6		40	240	12,1	16
40.	BCL2/XLPE/HFFR-F/BCUB/ST8	3 x 2,5	13,5		65	288	7,41	21
41.	BCL2/XLPE/HFFR-F/BCUB/ST8	3 x 4	14,7		105	361	4,61	28
42.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 6	15,9		158	469	3,08	36
43.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 10	17,6		264	630	1,83	50
44.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 16	19,6		411	843	1,15	67
45.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 25	23,0		652	1.221	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-2XOHFA / 2XAH 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/HFFR-F/BCUB/ST8	3 x 35	25,4		910	1.574	0,524	110
47.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 50	28,4		1.230	2.030	0,387	137
48.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 70	32,9		1.774	2.806	0,268	169
49.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 95	37,3		2.478	3.813	0,193	205
50.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 120	41,0		3.117	4.683	0,153	237
51.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 150	45,5		3.830	5.726	0,124	272
52.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 185	50,2		4.789	7.048	0,0991	311
53.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 240	56,4		6.294	9.069	0,0754	365
54.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 300	61,9		7.897	11.152	0,0601	421
55.	BCCU/XLPE/HFFR-F/BCUB/ST8	3 x 400	68,8		10.085	13.999	0,047	503
56.	BCL2/XLPE/HFFR-F/BCUB/ST8	4 x 1,5	13,4		54	274	12,1	16
57.	BCL2/XLPE/HFFR-F/BCUB/ST8	4 x 2,5	14,4		87	334	7,41	21
58.	BCL2/XLPE/HFFR-F/BCUB/ST8	4 x 4	16,1		141	458	4,61	28
59.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 6	17,0		211	558	3,08	36
60.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 10	19,0		352	762	1,83	50
61.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 16	21,1		549	1.032	1,15	67
62.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 25	25,0		870	1.513	0,727	89
63.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 35	27,7		1.215	1.964	0,524	110
64.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 50	31,2		1.641	2.560	0,387	137
65.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 70	36,5		2.368	3.640	0,268	169
66.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 95	41,0		3.308	4.838	0,193	205
67.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 120	45,5		4.160	6.003	0,153	137
68.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 150	50,3		5.112	7.312	0,124	272
69.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 185	55,9		6.392	9.065	0,0991	311
70.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 240	62,3		8.400	11.610	0,0754	365
71.	BCCU/XLPE/HFFR-F/BCUB/ST8	4 x 300	68,5		10.540	14.309	0,0601	421
72.	BCL2/XLPE/HFFR-F/BCUB/ST8	5 x 1,5	14,3		67	313	12,1	13
73.	BCL2/XLPE/HFFR-F/BCUB/ST8	5 x 2,5	15,8		109	419	7,41	17
74.	BCL2/XLPE/HFFR-F/BCUB/ST8	5 x 4	17,2		176	532	4,61	22
75.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 6	18,3		264	654	3,08	29
76.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 10	20,4		441	905	1,83	40
77.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 16	22,9		687	1.238	1,15	54
78.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 25	27,2		1.088	1.828	0,727	71
79.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 35	30,4		1.520	2.399	0,524	88
80.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 50	34,7		2.054	3.170	0,387	110
81.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 70	40,3		2.963	4.471	0,268	136
82.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 95	45,5		4.139	5.982	0,193	164
83.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 120	50,2		5.205	7.400	0,153	190
84.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 150	55,9		6.397	9.071	0,124	218
85.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 185	61,5		7.999	11.156	0,0991	249
86.	BCCU/XLPE/HFFR-F/BCUB/ST8	5 x 240	68,9		10.511	14.342	0,0754	292
87.	BCL2/XLPE/HFFR-F/BCUB/ST8	6 x 1,5	15,5		81	386	12,1	11
88.	BCL2/XLPE/HFFR-F/BCUB/ST8	7 x 1,5	15,5		94	394	12,1	11
89.	BCL2/XLPE/HFFR-F/BCUB/ST8	8 x 1,5	17,3		108	482	12,1	11
90.	BCL2/XLPE/HFFR-F/BCUB/ST8	9 x 1,5	17,3		121	491	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-2XOHFA / 2XAH 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/HFFR-F/BCUB/ST8	10 x 1,5	18,5		135	553	12,1	11
92.	BCL2/XLPE/HFFR-F/BCUB/ST8	12 x 1,5	19,0		162	592	12,1	11
93.	BCL2/XLPE/HFFR-F/BCUB/ST8	14 x 1,5	19,7		189	646	12,1	11
94.	BCL2/XLPE/HFFR-F/BCUB/ST8	16 x 1,5	20,6		216	707	12,1	11
95.	BCL2/XLPE/HFFR-F/BCUB/ST8	18 x 1,5	21,5		243	772	12,1	11
96.	BCL2/XLPE/HFFR-F/BCUB/ST8	19 x 1,5	21,5		256	780	12,1	11
97.	BCL2/XLPE/HFFR-F/BCUB/ST8	24 x 1,5	24,4		324	998	12,1	11
98.	BCL2/XLPE/HFFR-F/BCUB/ST8	27 x 1,5	24,9		364	1.052	12,1	10
99.	BCL2/XLPE/HFFR-F/BCUB/ST8	33 x 1,5	26,5		445	1.205	12,1	10
100.	BCL2/XLPE/HFFR-F/BCUB/ST8	37 x 1,5	27,4		499	1.300	12,1	10
101.	BCL2/XLPE/HFFR-F/BCUB/ST8	48 x 1,5	31,2		648	1.672	12,1	8
102.	BCL2/XLPE/HFFR-F/BCUB/ST8	61 x 1,5	34,3		823	2.032	12,1	8
103.	BCL2/XLPE/HFFR-F/BCUB/ST8	6 x 2,5	16,8		130	477	7,41	15
104.	BCL2/XLPE/HFFR-F/BCUB/ST8	7 x 2,5	16,8		152	491	7,41	15
105.	BCL2/XLPE/HFFR-F/BCUB/ST8	8 x 2,5	18,9		174	602	7,41	15
106.	BCL2/XLPE/HFFR-F/BCUB/ST8	9 x 2,5	18,9		196	617	7,41	15
107.	BCL2/XLPE/HFFR-F/BCUB/ST8	10 x 2,5	20,2		217	698	7,41	15
108.	BCL2/XLPE/HFFR-F/BCUB/ST8	12 x 2,5	20,7		261	754	7,41	15
109.	BCL2/XLPE/HFFR-F/BCUB/ST8	14 x 2,5	21,6		304	831	7,41	15
110.	BCL2/XLPE/HFFR-F/BCUB/ST8	16 x 2,5	22,5		348	914	7,41	15
111.	BCL2/XLPE/HFFR-F/BCUB/ST8	18 x 2,5	23,6		391	1.003	7,41	15
112.	BCL2/XLPE/HFFR-F/BCUB/ST8	19 x 2,5	23,6		413	1.017	7,41	15
113.	BCL2/XLPE/HFFR-F/BCUB/ST8	24 x 2,5	26,9		522	1.308	7,41	15
114.	BCL2/XLPE/HFFR-F/BCUB/ST8	27 x 2,5	27,5		587	1.386	7,41	13
115.	BCL2/XLPE/HFFR-F/BCUB/ST8	33 x 2,5	29,5		717	1.617	7,41	13
116.	BCL2/XLPE/HFFR-F/BCUB/ST8	37 x 2,5	30,5		804	1.751	7,41	13
117.	BCL2/XLPE/HFFR-F/BCUB/ST8	48 x 2,5	35,2		1.043	2.296	7,41	11
118.	BCL2/XLPE/HFFR-F/BCUB/ST8	61 x 2,5	38,7		1.326	2.849	7,41	11
119.	BCL2/XLPE/HFFR-F/BCUB/ST8	6 x 4	18,4		211	612	4,61	20
120.	BCL2/XLPE/HFFR-F/BCUB/ST8	7 x 4	18,4		246	636	4,61	20
121.	BCL2/XLPE/HFFR-F/BCUB/ST8	8 x 4	20,8		282	782	4,61	20
122.	BCL2/XLPE/HFFR-F/BCUB/ST8	9 x 4	20,8		317	807	4,61	20
123.	BCL2/XLPE/HFFR-F/BCUB/ST8	10 x 4	22,3		352	917	4,61	20
124.	BCL2/XLPE/HFFR-F/BCUB/ST8	12 x 4	22,9		423	1.001	4,61	20
125.	BCL2/XLPE/HFFR-F/BCUB/ST8	14 x 4	24,0		493	1.110	4,61	20
126.	BCL2/XLPE/HFFR-F/BCUB/ST8	16 x 4	25,1		563	1.230	4,61	20
127.	BCL2/XLPE/HFFR-F/BCUB/ST8	18 x 4	26,3		634	1.354	4,61	20
128.	BCL2/XLPE/HFFR-F/BCUB/ST8	19 x 4	26,3		669	1.378	4,61	20
129.	BCL2/XLPE/HFFR-F/BCUB/ST8	24 x 4	30,4		845	1.796	4,61	20
130.	BCL2/XLPE/HFFR-F/BCUB/ST8	27 x 4	31,2		951	1.930	4,61	17
131.	BCL2/XLPE/HFFR-F/BCUB/ST8	33 x 4	33,7		1.162	2.283	4,61	17
132.	BCL2/XLPE/HFFR-F/BCUB/ST8	37 x 4	35,1		1.303	2.498	4,61	17
133.	BCL2/XLPE/HFFR-F/BCUB/ST8	48 x 4	40,4		1.690	3.317	4,61	14
134.	BCL2/XLPE/HFFR-F/BCUB/ST8	61 x 4	44,3		2.148	4.047	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