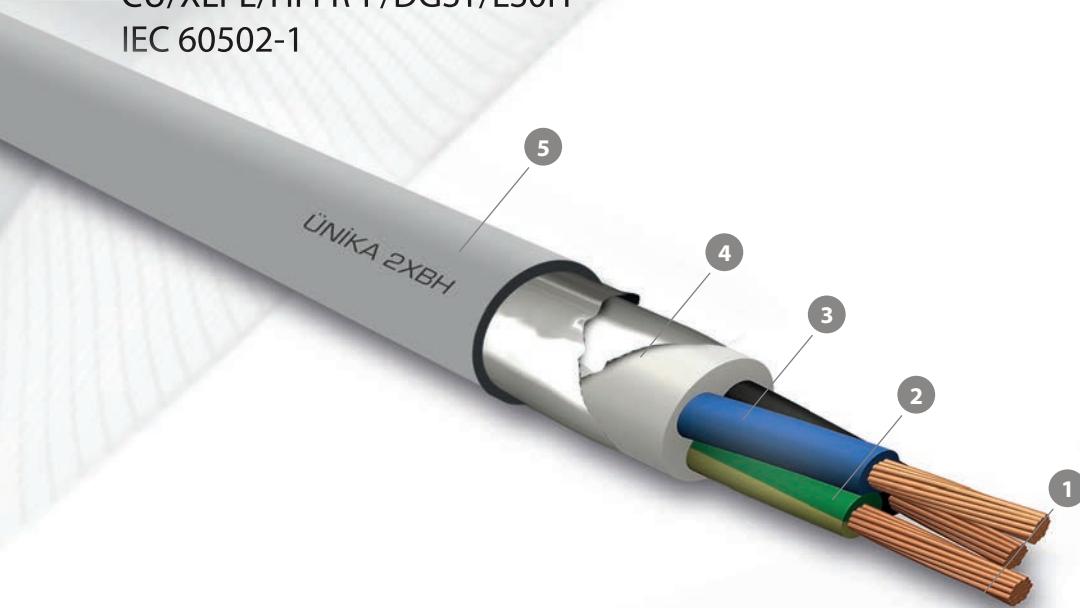


OIL and GAS ONSHORE POWER CABLES

U-2XOHFGt2 / 2XBH 0,6/1kV
 CU/XLPE/HFFR-F/DGST/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** : Double galvanised steel tape
- 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-2XOHFGt2 / 2XBH 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/DGST/ST8	1 x 1,5	9,2		13	142	12,1	23
2.	BCL2/XLPE/HFFR-F/DGST/ST8	1 x 2,5	9,6		22	161	7,41	30
3.	BCL2/XLPE/HFFR-F/DGST/ST8	1 x 4	10,2		35	187	4,61	40
4.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 6	10,6		52	214	3,08	52
5.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 10	11,4		87	268	1,83	72
6.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 16	12,3		136	338	1,15	96
7.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 25	13,9		216	461	0,727	127
8.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 35	15,0		302	574	0,524	157
9.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 50	16,3		408	715	0,387	196
10.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 70	18,1		588	943	0,268	242
11.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 95	19,8		822	1.220	0,193	293
12.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 120	21,4		1.033	1.478	0,153	339
13.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 150	23,2		1.270	1.769	0,124	389
14.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 185	25,2		1.588	2.149	0,0991	444
15.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 240	27,7		2.086	2.720	0,0754	522
16.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 300	30,3		2.618	3.338	0,0601	601
17.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 400	33,9		3.343	4.211	0,047	719
18.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 500	38,9		4.292	5.771	0,0366	827
19.	BCCU/XLPE/HFFR-F/DGST/ST8	1 x 630	43,0		5.540	7.233	0,0283	955
20.	BCL2/XLPE/HFFR-F/DGST/ST8	2 x 1,5	12,2		27	248	12,1	20
21.	BCL2/XLPE/HFFR-F/DGST/ST8	2 x 2,5	13,0		43	291	7,41	26
22.	BCL2/XLPE/HFFR-F/DGST/ST8	2 x 4	14,1		70	353	4,61	34
23.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 6	14,9		106	414	3,08	44
24.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 10	16,5		176	541	1,83	61
25.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 16	18,3		274	706	1,15	82
26.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 25	21,5		435	1.004	0,727	108
27.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 35	23,7		607	1.274	0,524	133
28.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 50	26,3		820	1.614	0,387	167
29.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 70	30,1		1.183	2.180	0,268	206
30.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 95	34,3		1.653	2.906	0,193	249
31.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 120	38,9		2.078	4.018	0,153	288
32.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 150	42,7		2.554	4.819	0,124	331
33.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 185	47,5		3.194	5.917	0,0991	377
34.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 240	52,9		4.197	7.448	0,0754	444
35.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 300	58,3		5.266	9.101	0,0601	511
36.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 400	64,9		6.725	11.332	0,047	611
37.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 500	72,5		8.635	14.220	0,0366	703
38.	BCCU/XLPE/HFFR-F/DGST/ST8	2 x 630	82,1		11.145	18.894	0,0283	812
39.	BCL2/XLPE/HFFR-F/DGST/ST8	3 x 1,5	12,6		40	272	12,1	16
40.	BCL2/XLPE/HFFR-F/DGST/ST8	3 x 2,5	13,5		65	324	7,41	21
41.	BCL2/XLPE/HFFR-F/DGST/ST8	3 x 4	14,7		105	401	4,61	28
42.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 6	15,5		158	481	3,08	36
43.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 10	17,2		264	644	1,83	50
44.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 16	19,2		411	859	1,15	67
45.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 25	22,6		652	1.242	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-2XOHFGt2 / 2XBH 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/DGST/ST8	3 x 35	25,0		910	1.597	0,524	110
47.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 50	27,8		1.230	2.044	0,387	137
48.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 70	32,5		1.774	2.839	0,268	169
49.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 95	37,7		2.478	4.210	0,193	205
50.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 120	41,4		3.117	5.124	0,153	237
51.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 150	45,9		3.830	6.218	0,124	272
52.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 185	50,6		4.789	7.593	0,0991	311
53.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 240	56,8		6.294	9.683	0,0754	365
54.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 300	62,3		7.897	11.836	0,0601	421
55.	BCCU/XLPE/HFFR-F/DGST/ST8	3 x 400	69,2		10.085	14.762	0,047	503
56.	BCL2/XLPE/HFFR-F/DGST/ST8	4 x 1,5	13,4		54	309	12,1	16
57.	BCL2/XLPE/HFFR-F/DGST/ST8	4 x 2,5	14,4		87	374	7,41	21
58.	BCL2/XLPE/HFFR-F/DGST/ST8	4 x 4	15,7		141	470	4,61	28
59.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 6	16,6		211	570	3,08	36
60.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 10	18,6		352	777	1,83	50
61.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 16	20,7		549	1.050	1,15	67
62.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 25	24,6		870	1.536	0,727	89
63.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 35	27,3		1.215	1.991	0,524	110
64.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 50	30,6		1.641	2.578	0,387	137
65.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 70	36,9		2.368	4.026	0,268	169
66.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 95	41,4		3.308	5.277	0,193	205
67.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 120	45,9		4.160	6.496	0,153	137
68.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 150	50,7		5.112	7.858	0,124	272
69.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 185	56,3		6.392	9.679	0,0991	311
70.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 240	62,7		8.400	12.296	0,0754	365
71.	BCCU/XLPE/HFFR-F/DGST/ST8	4 x 300	68,9		10.540	15.067	0,0601	421
72.	BCL2/XLPE/HFFR-F/DGST/ST8	5 x 1,5	14,3		67	351	12,1	13
73.	BCL2/XLPE/HFFR-F/DGST/ST8	5 x 2,5	15,4		109	429	7,41	17
74.	BCL2/XLPE/HFFR-F/DGST/ST8	5 x 4	16,8		176	545	4,61	22
75.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 6	17,9		264	669	3,08	29
76.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 10	20,0		441	922	1,83	40
77.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 16	22,5		687	1.258	1,15	54
78.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 25	26,8		1.088	1.854	0,727	71
79.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 35	30,0		1.520	2.430	0,524	88
80.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 50	34,3		2.054	3.207	0,387	110
81.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 70	40,7		2.963	4.903	0,268	136
82.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 95	45,9		4.139	6.476	0,193	164
83.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 120	50,6		5.205	7.946	0,153	190
84.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 150	56,3		6.397	9.686	0,124	218
85.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 185	62,1		7.999	11.865	0,0991	249
86.	BCCU/XLPE/HFFR-F/DGST/ST8	5 x 240	69,3		10.511	15.105	0,0754	292
87.	BCL2/XLPE/HFFR-F/DGST/ST8	6 x 1,5	15,1		81	397	12,1	11
88.	BCL2/XLPE/HFFR-F/DGST/ST8	7 x 1,5	15,1		94	405	12,1	11
89.	BCL2/XLPE/HFFR-F/DGST/ST8	8 x 1,5	16,9		108	495	12,1	11
90.	BCL2/XLPE/HFFR-F/DGST/ST8	9 x 1,5	16,9		121	503	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-2XOHFGt2 / 2XBH 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/DGST/ST8	10 x 1,5	18,1		135	568	12,1	11
92.	BCL2/XLPE/HFFR-F/DGST/ST8	12 x 1,5	18,6		162	607	12,1	11
93.	BCL2/XLPE/HFFR-F/DGST/ST8	14 x 1,5	19,3		189	663	12,1	11
94.	BCL2/XLPE/HFFR-F/DGST/ST8	16 x 1,5	20,2		216	725	12,1	11
95.	BCL2/XLPE/HFFR-F/DGST/ST8	18 x 1,5	21,1		243	791	12,1	11
96.	BCL2/XLPE/HFFR-F/DGST/ST8	19 x 1,5	21,1		256	799	12,1	11
97.	BCL2/XLPE/HFFR-F/DGST/ST8	24 x 1,5	24,0		324	1.021	12,1	11
98.	BCL2/XLPE/HFFR-F/DGST/ST8	27 x 1,5	24,5		364	1.074	12,1	10
99.	BCL2/XLPE/HFFR-F/DGST/ST8	33 x 1,5	26,1		445	1.232	12,1	10
100.	BCL2/XLPE/HFFR-F/DGST/ST8	37 x 1,5	27,0		499	1.326	12,1	10
101.	BCL2/XLPE/HFFR-F/DGST/ST8	48 x 1,5	30,6		648	1.689	12,1	8
102.	BCL2/XLPE/HFFR-F/DGST/ST8	61 x 1,5	33,7		823	2.052	12,1	8
103.	BCL2/XLPE/HFFR-F/DGST/ST8	6 x 2,5	16,4		130	489	7,41	15
104.	BCL2/XLPE/HFFR-F/DGST/ST8	7 x 2,5	16,4		152	503	7,41	15
105.	BCL2/XLPE/HFFR-F/DGST/ST8	8 x 2,5	18,5		174	617	7,41	15
106.	BCL2/XLPE/HFFR-F/DGST/ST8	9 x 2,5	18,5		196	632	7,41	15
107.	BCL2/XLPE/HFFR-F/DGST/ST8	10 x 2,5	19,8		217	715	7,41	15
108.	BCL2/XLPE/HFFR-F/DGST/ST8	12 x 2,5	20,3		261	772	7,41	15
109.	BCL2/XLPE/HFFR-F/DGST/ST8	14 x 2,5	21,2		304	849	7,41	15
110.	BCL2/XLPE/HFFR-F/DGST/ST8	16 x 2,5	22,1		348	935	7,41	15
111.	BCL2/XLPE/HFFR-F/DGST/ST8	18 x 2,5	23,2		391	1.024	7,41	15
112.	BCL2/XLPE/HFFR-F/DGST/ST8	19 x 2,5	23,2		413	1.038	7,41	15
113.	BCL2/XLPE/HFFR-F/DGST/ST8	24 x 2,5	26,5		522	1.334	7,41	15
114.	BCL2/XLPE/HFFR-F/DGST/ST8	27 x 2,5	27,1		587	1.413	7,41	13
115.	BCL2/XLPE/HFFR-F/DGST/ST8	33 x 2,5	29,1		717	1.647	7,41	13
116.	BCL2/XLPE/HFFR-F/DGST/ST8	37 x 2,5	30,1		804	1.782	7,41	13
117.	BCL2/XLPE/HFFR-F/DGST/ST8	48 x 2,5	34,8		1.043	2.333	7,41	11
118.	BCL2/XLPE/HFFR-F/DGST/ST8	61 x 2,5	39,1		1.326	3.262	7,41	11
119.	BCL2/XLPE/HFFR-F/DGST/ST8	6 x 4	18,0		211	626	4,61	20
120.	BCL2/XLPE/HFFR-F/DGST/ST8	7 x 4	18,0		246	650	4,61	20
121.	BCL2/XLPE/HFFR-F/DGST/ST8	8 x 4	20,4		282	801	4,61	20
122.	BCL2/XLPE/HFFR-F/DGST/ST8	9 x 4	20,4		317	825	4,61	20
123.	BCL2/XLPE/HFFR-F/DGST/ST8	10 x 4	21,9		352	937	4,61	20
124.	BCL2/XLPE/HFFR-F/DGST/ST8	12 x 4	22,5		423	1.021	4,61	20
125.	BCL2/XLPE/HFFR-F/DGST/ST8	14 x 4	23,6		493	1.133	4,61	20
126.	BCL2/XLPE/HFFR-F/DGST/ST8	16 x 4	24,7		563	1.253	4,61	20
127.	BCL2/XLPE/HFFR-F/DGST/ST8	18 x 4	25,9		634	1.380	4,61	20
128.	BCL2/XLPE/HFFR-F/DGST/ST8	19 x 4	25,9		669	1.404	4,61	20
129.	BCL2/XLPE/HFFR-F/DGST/ST8	24 x 4	30,0		845	1.828	4,61	20
130.	BCL2/XLPE/HFFR-F/DGST/ST8	27 x 4	30,6		951	1.947	4,61	17
131.	BCL2/XLPE/HFFR-F/DGST/ST8	33 x 4	33,3		1.162	2.318	4,61	17
132.	BCL2/XLPE/HFFR-F/DGST/ST8	37 x 4	34,7		1.303	2.533	4,61	17
133.	BCL2/XLPE/HFFR-F/DGST/ST8	48 x 4	40,8		1.690	3.751	4,61	14
134.	BCL2/XLPE/HFFR-F/DGST/ST8	61 x 4	44,7		2.148	4.527	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