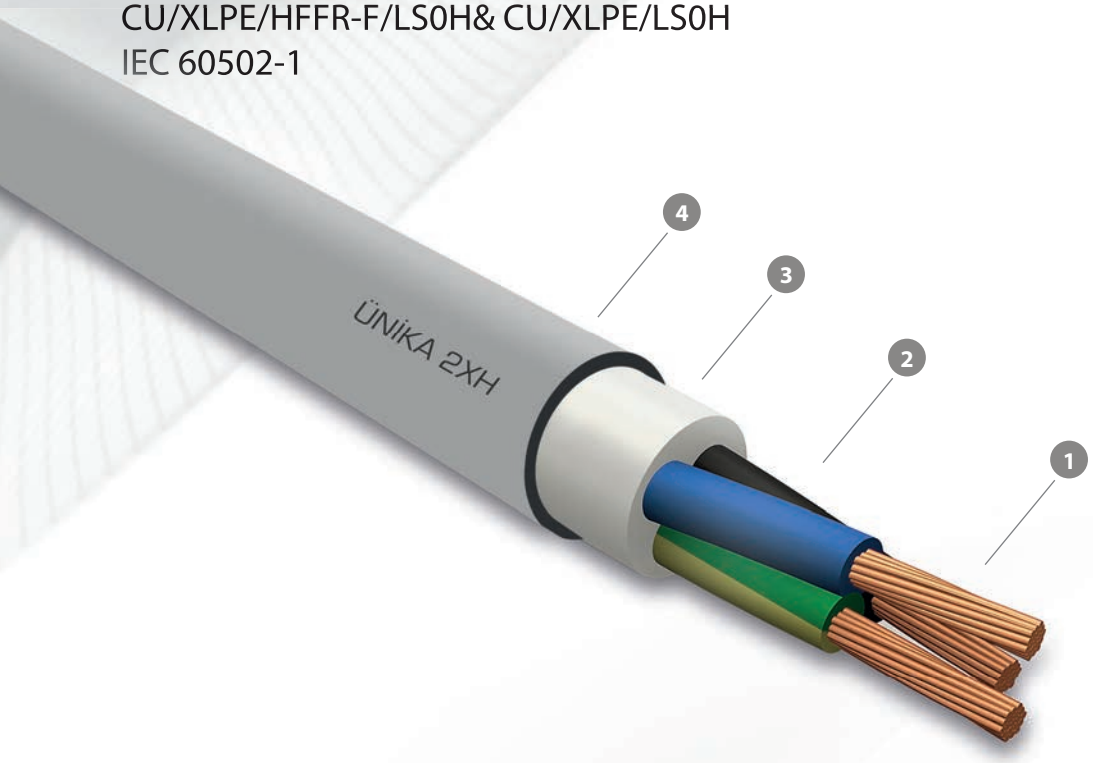
OIL and GAS ONSHORE POWER CABLES

U-2XOHF & U-2XHF / 2XH 0,6/1kV
CU/XLPE/HFFR-F/LS0H& CU/XLPE/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 **Outer Jacket** : Halogen-fre ecompound 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-2XOHF & U-2XHF / 2XH 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross- section (mm^2)	Outer Sheath (mm) Diameter	Copper Content	Weight (approx.)	Max. Conductor Resistance at 20 °C	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C
			Nom.	(kg/km)	(kg/km)	(ohm/km)	(A) (Air)
1.	BCL2/XLPE/ST8	1 x 1,5	5,8	13	47	12,1	23
2.	BCL2/XLPE/ST8	1 x 2,5	6,2	22	59	7,41	30
3.	BCL2/XLPE/ST8	1 x 4	6,7	35	77	4,61	40
4.	BCCU/XLPE/ST8	1 x 6	7,1	52	98	3,08	52
5.	BCCU/XLPE/ST8	1 x 10	7,9	87	140	1,83	72
6.	BCCU/XLPE/ST8	1 x 16	8,8	136	197	1,15	96
7.	BCCU/XLPE/ST8	1 x 25	10,4	216	296	0,727	127
8.	BCCU/XLPE/ST8	1 x 35	11,5	302	392	0,524	157
9.	BCCU/XLPE/ST8	1 x 50	12,8	408	513	0,387	196
10.	BCCU/XLPE/ST8	1 x 70	14,6	588	714	0,268	242
11.	BCCU/XLPE/ST8	1 x 95	16,3	822	964	0,193	293
12.	BCCU/XLPE/ST8	1 x 120	17,9	1.033	1.198	0,153	339
13.	BCCU/XLPE/ST8	1 x 150	19,7	1.270	1.462	0,124	389
14.	BCCU/XLPE/ST8	1 x 185	21,7	1.588	1.812	0,0991	444
15.	BCCU/XLPE/ST8	1 x 240	24,2	2.086	2.345	0,0754	522
16.	BCCU/XLPE/ST8	1 x 300	26,6	2.618	2.911	0,0601	601
17.	BCCU/XLPE/ST8	1 x 400	30,6	3.343	3.759	0,047	719
18.	BCCU/XLPE/ST8	1 x 500	34,4	4.292	4.807	0,0366	827
19.	BCCU/XLPE/ST8	1 x 630	38,5	5.540	6.157	0,0283	955
20.	BCL2/XLPE/HFFR-F/ST8	2 x 1,5	11,1	27	164	12,1	20
21.	BCL2/XLPE/HFFR-F/ST8	2 x 2,5	12,0	43	199	7,41	26
22.	BCL2/XLPE/HFFR-F/ST8	2 x 4	13,0	70	251	4,61	34
23.	BCCU/XLPE/HFFR-F/ST8	2 x 6	13,8	106	305	3,08	44
24.	BCCU/XLPE/HFFR-F/ST8	2 x 10	15,4	176	416	1,83	61
25.	BCCU/XLPE/HFFR-F/ST8	2 x 16	17,2	274	564	1,15	82
26.	BCCU/XLPE/HFFR-F/ST8	2 x 25	20,4	435	832	0,727	108
27.	BCCU/XLPE/HFFR-F/ST8	2 x 35	22,6	607	1.081	0,524	133
28.	BCCU/XLPE/HFFR-F/ST8	2 x 50	25,2	820	1.396	0,387	167
29.	BCCU/XLPE/HFFR-F/ST8	2 x 70	29,0	1.183	1.928	0,268	206
30.	BCCU/XLPE/HFFR-F/ST8	2 x 95	33,0	1.653	2.601	0,193	249
31.	BCCU/XLPE/HFFR-F/ST8	2 x 120	36,4	2.078	3.222	0,153	288
32.	BCCU/XLPE/HFFR-F/ST8	2 x 150	40,4	2.554	3.957	0,124	331
33.	BCCU/XLPE/HFFR-F/ST8	2 x 185	45,0	3.194	4.929	0,0991	377
34.	BCCU/XLPE/HFFR-F/ST8	2 x 240	50,4	4.197	6.341	0,0754	444
35.	BCCU/XLPE/HFFR-F/ST8	2 x 300	56,0	5.266	7.897	0,0601	511
36.	BCCU/XLPE/HFFR-F/ST8	2 x 400	62,4	6.725	9.957	0,047	611
37.	BCCU/XLPE/HFFR-F/ST8	2 x 500	70,0	8.635	12.674	0,0366	703
38.	BCCU/XLPE/HFFR-F/ST8	2 x 630	78,4	11.145	16.157	0,0283	812
39.	BCL2/XLPE/HFFR-F/ST8	3 x 1,5	11,6	40	184	12,1	16
40.	BCL2/XLPE/HFFR-F/ST8	3 x 2,5	12,5	65	228	7,41	21
41.	BCL2/XLPE/HFFR-F/ST8	3 x 4	13,6	105	294	4,61	28
42.	BCCU/XLPE/HFFR-F/ST8	3 x 6	14,5	158	365	3,08	36
43.	BCCU/XLPE/HFFR-F/ST8	3 x 10	16,2	264	512	1,83	50
44.	BCCU/XLPE/HFFR-F/ST8	3 x 16	18,1	411	709	1,15	67
45.	BCCU/XLPE/HFFR-F/ST8	3 x 25	21,6	652	1.059	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

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U-2XOHF & U-2XHF / 2XH 0,6/1kV CABLE DATA SHEET

Item	Construction	Cross- section (mm^2)	Outer Sheath (mm) Diameter	Copper Content	Weight (approx.)	Max. Conductor Resistance at 20 °C	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C
			Nom.	(kg/km)	(kg/km)	(ohm/km)	(A) (Air)
46.	BCCU/XLPE/HFFR-F/ST8	3 x 35	23,9	910	1.391	0,524	110
47.	BCCU/XLPE/HFFR-F/ST8	3 x 50	26,7	1.230	1.812	0,387	137
48.	BCCU/XLPE/HFFR-F/ST8	3 x 70	31,4	1.774	2.565	0,268	169
49.	BCCU/XLPE/HFFR-F/ST8	3 x 95	35,3	2.478	3.440	0,193	205
50.	BCCU/XLPE/HFFR-F/ST8	3 x 120	38,9	3.117	4.272	0,153	237
51.	BCCU/XLPE/HFFR-F/ST8	3 x 150	43,6	3.830	5.285	0,124	272
52.	BCCU/XLPE/HFFR-F/ST8	3 x 185	48,1	4.789	6.536	0,0991	311
53.	BCCU/XLPE/HFFR-F/ST8	3 x 240	54,3	6.294	8.488	0,0754	365
54.	BCCU/XLPE/HFFR-F/ST8	3 x 300	59,9	7.897	10.517	0,0601	421
55.	BCCU/XLPE/HFFR-F/ST8	3 x 400	66,7	10.085	13.288	0,047	503
56.	BCL2/XLPE/HFFR-F/ST8	4 x 1,5	12,3	54	214	12,1	16
57.	BCL2/XLPE/HFFR-F/ST8	4 x 2,5	13,4	87	269	7,41	21
58.	BCL2/XLPE/HFFR-F/ST8	4 x 4	14,7	141	352	4,61	28
59.	BCCU/XLPE/HFFR-F/ST8	4 x 6	15,6	211	444	3,08	36
60.	BCCU/XLPE/HFFR-F/ST8	4 x 10	17,5	352	632	1,83	50
61.	BCCU/XLPE/HFFR-F/ST8	4 x 16	19,7	549	885	1,15	67
62.	BCCU/XLPE/HFFR-F/ST8	4 x 25	23,5	870	1.334	0,727	89
63.	BCCU/XLPE/HFFR-F/ST8	4 x 35	26,2	1.215	1.764	0,524	110
64.	BCCU/XLPE/HFFR-F/ST8	4 x 50	29,5	1.641	2.321	0,387	137
65.	BCCU/XLPE/HFFR-F/ST8	4 x 70	34,7	2.368	3.288	0,268	169
66.	BCCU/XLPE/HFFR-F/ST8	4 x 95	39,0	3.308	4.423	0,193	205
67.	BCCU/XLPE/HFFR-F/ST8	4 x 120	43,7	4.160	5.562	0,153	137
68.	BCCU/XLPE/HFFR-F/ST8	4 x 150	48,2	5.112	6.799	0,124	272
69.	BCCU/XLPE/HFFR-F/ST8	4 x 185	53,8	6.392	8.494	0,0991	311
70.	BCCU/XLPE/HFFR-F/ST8	4 x 240	60,3	8.400	10.968	0,0754	365
71.	BCCU/XLPE/HFFR-F/ST8	4 x 300	66,5	10.540	13.600	0,0601	421
72.	BCL2/XLPE/HFFR-F/ST8	5 x 1,5	13,2	67	248	12,1	13
73.	BCL2/XLPE/HFFR-F/ST8	5 x 2,5	14,3	109	315	7,41	17
74.	BCL2/XLPE/HFFR-F/ST8	5 x 4	15,8	176	417	4,61	22
75.	BCCU/XLPE/HFFR-F/ST8	5 x 6	16,8	264	531	3,08	29
76.	BCCU/XLPE/HFFR-F/ST8	5 x 10	19,0	441	763	1,83	40
77.	BCCU/XLPE/HFFR-F/ST8	5 x 16	21,4	687	1.076	1,15	54
78.	BCCU/XLPE/HFFR-F/ST8	5 x 25	25,7	1.088	1.632	0,727	71
79.	BCCU/XLPE/HFFR-F/ST8	5 x 35	28,9	1.520	2.179	0,524	88
80.	BCCU/XLPE/HFFR-F/ST8	5 x 50	33,0	2.054	2.902	0,387	110
81.	BCCU/XLPE/HFFR-F/ST8	5 x 70	38,3	2.963	4.067	0,268	136
82.	BCCU/XLPE/HFFR-F/ST8	5 x 95	43,7	4.139	5.541	0,193	164
83.	BCCU/XLPE/HFFR-F/ST8	5 x 120	48,2	5.205	6.887	0,153	190
84.	BCCU/XLPE/HFFR-F/ST8	5 x 150	53,9	6.397	8.501	0,124	218
85.	BCCU/XLPE/HFFR-F/ST8	5 x 185	59,7	7.999	10.551	0,0991	249
86.	BCCU/XLPE/HFFR-F/ST8	5 x 240	66,8	10.511	13.630	0,0754	292
87.	BCL2/XLPE/HFFR-F/ST8	6 x 1,5	14,1	81	285	12,1	11
88.	BCL2/XLPE/HFFR-F/ST8	7 x 1,5	14,1	94	293	12,1	11
89.	BCL2/XLPE/HFFR-F/ST8	8 x 1,5	15,9	108	366	12,1	11
90.	BCL2/XLPE/HFFR-F/ST8	9 x 1,5	15,9	121	375	12,1	11

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Item	Construction	Cross- section (mm^2)	Outer Sheath (mm) Diameter	Copper Content	Weight (approx.)	Max. Conductor Resistance at 20 °C	Max. Current Carrying Capacity Conductor Temperature at 90 °C Ambient Temperature at 45 °C
			Nom.	(kg/km)	(kg/km)	(ohm/km)	(A) (Air)
91.	BCL2/XLPE/HFFR-F/ST8	10 x 1,5	17,0	135	428	12,1	11
92.	BCL2/XLPE/HFFR-F/ST8	12 x 1,5	17,5	162	463	12,1	11
93.	BCL2/XLPE/HFFR-F/ST8	14 x 1,5	18,3	189	512	12,1	11
94.	BCL2/XLPE/HFFR-F/ST8	16 x 1,5	19,1	216	566	12,1	11
95.	BCL2/XLPE/HFFR-F/ST8	18 x 1,5	20,0	243	623	12,1	11
96.	BCL2/XLPE/HFFR-F/ST8	19 x 1,5	20,0	256	631	12,1	11
97.	BCL2/XLPE/HFFR-F/ST8	24 x 1,5	23,0	324	825	12,1	11
98.	BCL2/XLPE/HFFR-F/ST8	27 x 1,5	23,4	364	874	12,1	10
99.	BCL2/XLPE/HFFR-F/ST8	33 x 1,5	25,0	445	1.016	12,1	10
100.	BCL2/XLPE/HFFR-F/ST8	37 x 1,5	25,9	499	1.102	12,1	10
101.	BCL2/XLPE/HFFR-F/ST8	48 x 1,5	29,5	648	1.432	12,1	8
102.	BCL2/XLPE/HFFR-F/ST8	61 x 1,5	32,6	823	1.766	12,1	8
103.	BCL2/XLPE/HFFR-F/ST8	6 x 2,5	15,3	130	365	7,41	15
104.	BCL2/XLPE/HFFR-F/ST8	7 x 2,5	15,3	152	379	7,41	15
105.	BCL2/XLPE/HFFR-F/ST8	8 x 2,5	17,4	174	474	7,41	15
106.	BCL2/XLPE/HFFR-F/ST8	9 x 2,5	17,4	196	489	7,41	15
107.	BCL2/XLPE/HFFR-F/ST8	10 x 2,5	18,7	217	559	7,41	15
108.	BCL2/XLPE/HFFR-F/ST8	12 x 2,5	19,2	261	611	7,41	15
109.	BCL2/XLPE/HFFR-F/ST8	14 x 2,5	20,1	304	680	7,41	15
110.	BCL2/XLPE/HFFR-F/ST8	16 x 2,5	21,1	348	756	7,41	15
111.	BCL2/XLPE/HFFR-F/ST8	18 x 2,5	22,1	391	836	7,41	15
112.	BCL2/XLPE/HFFR-F/ST8	19 x 2,5	22,1	413	850	7,41	15
113.	BCL2/XLPE/HFFR-F/ST8	24 x 2,5	25,5	522	1.114	7,41	15
114.	BCL2/XLPE/HFFR-F/ST8	27 x 2,5	26,0	587	1.188	7,41	13
115.	BCL2/XLPE/HFFR-F/ST8	33 x 2,5	27,9	717	1.391	7,41	13
116.	BCL2/XLPE/HFFR-F/ST8	37 x 2,5	29,1	804	1.529	7,41	13
117.	BCL2/XLPE/HFFR-F/ST8	48 x 2,5	33,6	1.043	2.022	7,41	11
118.	BCL2/XLPE/HFFR-F/ST8	61 x 2,5	36,6	1.326	2.460	7,41	11
119.	BCL2/XLPE/HFFR-F/ST8	6 x 4	17,0	211	487	4,61	20
120.	BCL2/XLPE/HFFR-F/ST8	7 x 4	17,0	246	511	4,61	20
121.	BCL2/XLPE/HFFR-F/ST8	8 x 4	19,4	282	639	4,61	20
122.	BCL2/XLPE/HFFR-F/ST8	9 x 4	19,4	317	664	4,61	20
123.	BCL2/XLPE/HFFR-F/ST8	10 x 4	20,9	352	761	4,61	20
124.	BCL2/XLPE/HFFR-F/ST8	12 x 4	21,5	423	839	4,61	20
125.	BCL2/XLPE/HFFR-F/ST8	14 x 4	22,5	493	941	4,61	20
126.	BCL2/XLPE/HFFR-F/ST8	16 x 4	23,6	563	1.051	4,61	20
127.	BCL2/XLPE/HFFR-F/ST8	18 x 4	24,8	634	1.167	4,61	20
128.	BCL2/XLPE/HFFR-F/ST8	19 x 4	24,8	669	1.190	4,61	20
129.	BCL2/XLPE/HFFR-F/ST8	24 x 4	28,9	845	1.576	4,61	20
130.	BCL2/XLPE/HFFR-F/ST8	27 x 4	29,5	951	1.690	4,61	17
131.	BCL2/XLPE/HFFR-F/ST8	33 x 4	32,3	1.162	2.036	4,61	17
132.	BCL2/XLPE/HFFR-F/ST8	37 x 4	33,4	1.303	2.224	4,61	17
133.	BCL2/XLPE/HFFR-F/ST8	48 x 4	38,4	1.690	2.912	4,61	14
134.	BCL2/XLPE/HFFR-F/ST8	61 x 4	42,3	2.148	3.600	4,61	14

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