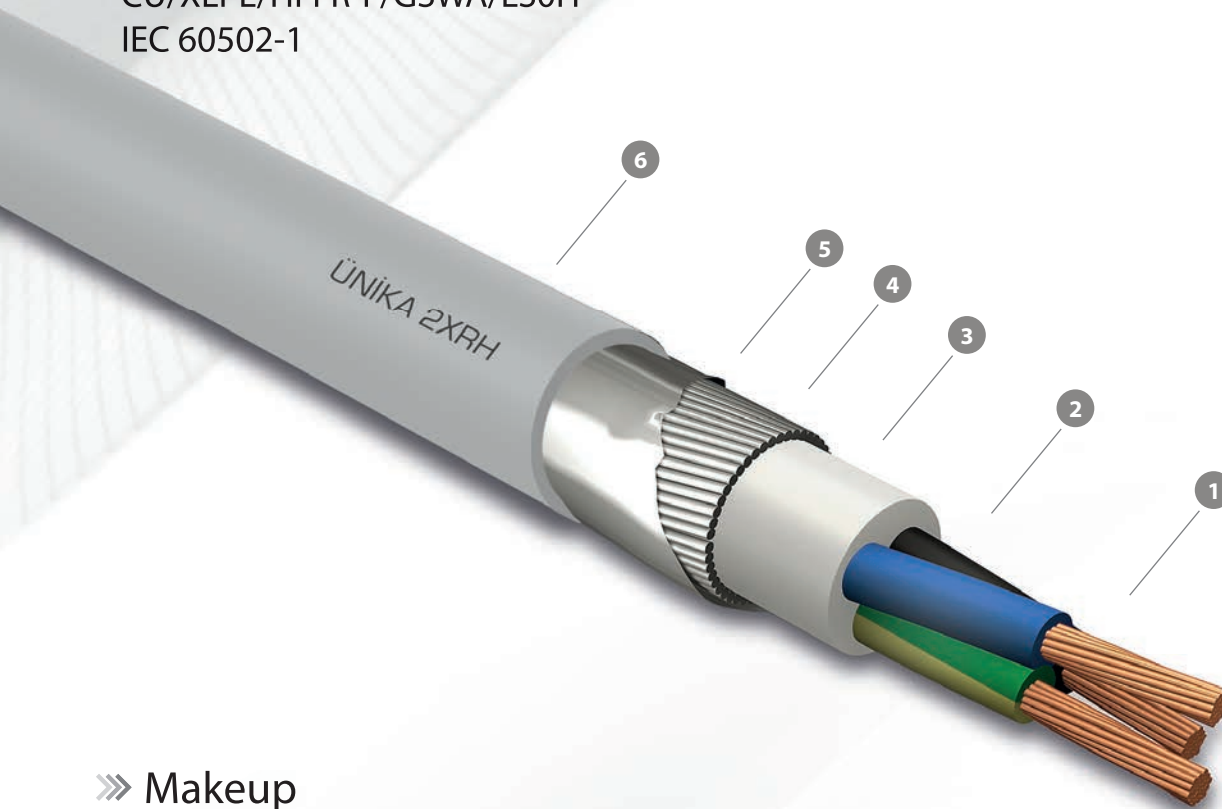


U-2XOHFR / 2XRH 0,6/1kV
 CU/XLPE/HFFR-F/GSWA/LSOH
 IEC 60502-1



»» 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** : Galvanised Steel wire in accordance with IEC 60502-1
- ⑤ **Tape** : Polyester or steel wrapping tape
- ⑥ **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-2XOHFR / 2XRH 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/GSWA/ST8	1 x 1,5	10,0		13	186	12,1	23
2.	BCL2/XLPE/HFFR-F/GSWA/ST8	1 x 2,5	10,4		22	208	7,41	30
3.	BCL2/XLPE/HFFR-F/GSWA/ST8	1 x 4	11,0		35	238	4,61	40
4.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 6	11,4		52	265	3,08	52
5.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 10	12,2		87	324	1,83	72
6.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 16	13,1		136	402	1,15	96
7.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 25	14,7		216	535	0,727	127
8.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 35	16,7		302	767	0,524	157
9.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 50	18,0		408	925	0,387	196
10.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 70	19,8		588	1.186	0,268	242
11.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 95	22,8		822	1.686	0,193	293
12.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 120	24,4		1.033	1.984	0,153	339
13.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 150	26,2		1.270	2.314	0,124	389
14.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 185	28,4		1.588	2.760	0,0991	444
15.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 240	30,9		2.086	3.399	0,0754	522
16.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 300	34,5		2.618	4.331	0,0601	601
17.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 400	38,1		3.343	5.317	0,047	719
18.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 500	41,7		4.292	6.513	0,0366	827
19.	BCCU/XLPE/HFFR-F/GSWA/ST8	1 x 630	47,0		5.540	8.477	0,0283	955
20.	BCL2/XLPE/HFFR-F/GSWA/ST8	2 x 1,5	13,0		27	312	12,1	20
21.	BCL2/XLPE/HFFR-F/GSWA/ST8	2 x 2,5	13,8		43	360	7,41	26
22.	BCL2/XLPE/HFFR-F/GSWA/ST8	2 x 4	14,9		70	428	4,61	34
23.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 6	16,6		106	607	3,08	44
24.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 10	18,2		176	759	1,83	61
25.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 16	20,0		274	947	1,15	82
26.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 25	24,5		435	1.510	0,727	108
27.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 35	26,7		607	1.832	0,524	133
28.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 50	29,5		820	2.252	0,387	167
29.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 70	34,3		1.183	3.150	0,268	206
30.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 95	38,3		1.653	3.995	0,193	249
31.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 120	41,7		2.078	4.759	0,153	288
32.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 150	46,7		2.554	6.069	0,124	331
33.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 185	51,3		3.194	7.262	0,0991	377
34.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 240	56,7		4.197	8.939	0,0754	444
35.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 300	62,3		5.266	10.763	0,0601	511
36.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 400	68,7		6.725	13.171	0,047	611
37.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 500	77,8		8.635	17.149	0,0366	703
38.	BCCU/XLPE/HFFR-F/GSWA/ST8	2 x 630	86,0		11.145	21.141	0,0283	812
39.	BCL2/XLPE/HFFR-F/GSWA/ST8	3 x 1,5	13,4		40	336	12,1	16
40.	BCL2/XLPE/HFFR-F/GSWA/ST8	3 x 2,5	14,3		65	397	7,41	21
41.	BCL2/XLPE/HFFR-F/GSWA/ST8	3 x 4	16,4		105	587	4,61	28
42.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 6	17,2		158	678	3,08	36
43.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 10	18,9		264	875	1,83	50
44.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 16	20,9		411	1.111	1,15	67
45.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 25	25,6		652	1.773	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-2XOHFR / 2XRH 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.					
46.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 35	28,2		910	2.209	0,524	110
47.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 50	31,2		1.230	2.737	0,387	137
48.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 70	36,5		1.774	3.884	0,268	169
49.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 95	40,5		2.478	4.947	0,193	205
50.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 120	44,2		3.117	5.899	0,153	237
51.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 150	49,9		3.830	7.572	0,124	272
52.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 185	54,4		4.789	9.003	0,0991	311
53.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 240	60,6		6.294	11.264	0,0754	365
54.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 300	66,1		7.897	13.599	0,0601	421
55.	BCCU/XLPE/HFFR-F/GSWA/ST8	3 x 400	74,5		10.085	17.557	0,047	503
56.	BCL2/XLPE/HFFR-F/GSWA/ST8	4 x 1,5	14,2		54	379	12,1	16
57.	BCL2/XLPE/HFFR-F/GSWA/ST8	4 x 2,5	15,2		87	450	7,41	21
58.	BCL2/XLPE/HFFR-F/GSWA/ST8	4 x 4	17,4		141	675	4,61	28
59.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 6	18,3		211	787	3,08	36
60.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 10	20,3		352	1.025	1,83	50
61.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 16	23,7		549	1.528	1,15	67
62.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 25	27,6		870	2.121	0,727	89
63.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 35	30,5		1.215	2.656	0,524	110
64.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 50	34,8		1.641	3.570	0,387	137
65.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 70	39,7		2.368	4.748	0,268	169
66.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 95	44,2		3.308	6.051	0,193	205
67.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 120	49,9		4.160	7.849	0,153	137
68.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 150	54,5		5.112	9.267	0,124	272
69.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 185	60,1		6.392	11.268	0,0991	311
70.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 240	66,5		8.400	14.052	0,0754	365
71.	BCCU/XLPE/HFFR-F/GSWA/ST8	4 x 300	74,2		10.540	17.867	0,0601	421
72.	BCL2/XLPE/HFFR-F/GSWA/ST8	5 x 1,5	15,1		67	429	12,1	13
73.	BCL2/XLPE/HFFR-F/GSWA/ST8	5 x 2,5	17,1		109	628	7,41	17
74.	BCL2/XLPE/HFFR-F/GSWA/ST8	5 x 4	18,5		176	770	4,61	22
75.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 6	19,6		264	903	3,08	29
76.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 10	23,0		441	1.387	1,83	40
77.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 16	25,5		687	1.790	1,15	54
78.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 25	30,0		1.088	2.506	0,727	71
79.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 35	34,0		1.520	3.384	0,524	88
80.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 50	38,3		2.054	4.295	0,387	110
81.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 70	43,5		2.963	5.665	0,268	136
82.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 95	49,9		4.139	7.828	0,193	164
83.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 120	54,4		5.205	9.356	0,153	190
84.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 150	60,1		6.397	11.275	0,124	218
85.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 185	65,9		7.999	13.593	0,0991	249
86.	BCCU/XLPE/HFFR-F/GSWA/ST8	5 x 240	74,6		10.511	17.899	0,0754	292
87.	BCL2/XLPE/HFFR-F/GSWA/ST8	6 x 1,5	16,8		81	588	12,1	11
88.	BCL2/XLPE/HFFR-F/GSWA/ST8	7 x 1,5	16,8		94	596	12,1	11
89.	BCL2/XLPE/HFFR-F/GSWA/ST8	8 x 1,5	18,6		108	718	12,1	11
90.	BCL2/XLPE/HFFR-F/GSWA/ST8	9 x 1,5	18,6		121	727	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-2XOHFR / 2XRH 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/GSWA/ST8	10 x 1,5	19,8		135	810	12,1	11
92.	BCL2/XLPE/HFFR-F/GSWA/ST8	12 x 1,5	20,3		162	855	12,1	11
93.	BCL2/XLPE/HFFR-F/GSWA/ST8	14 x 1,5	21,0		189	924	12,1	11
94.	BCL2/XLPE/HFFR-F/GSWA/ST8	16 x 1,5	23,2		216	1.190	12,1	11
95.	BCL2/XLPE/HFFR-F/GSWA/ST8	18 x 1,5	24,1		243	1.283	12,1	11
96.	BCL2/XLPE/HFFR-F/GSWA/ST8	19 x 1,5	24,1		256	1.291	12,1	11
97.	BCL2/XLPE/HFFR-F/GSWA/ST8	24 x 1,5	27,0		324	1.593	12,1	11
98.	BCL2/XLPE/HFFR-F/GSWA/ST8	27 x 1,5	27,5		364	1.660	12,1	10
99.	BCL2/XLPE/HFFR-F/GSWA/ST8	33 x 1,5	29,3		445	1.871	12,1	10
100.	BCL2/XLPE/HFFR-F/GSWA/ST8	37 x 1,5	30,2		499	1.992	12,1	10
101.	BCL2/XLPE/HFFR-F/GSWA/ST8	48 x 1,5	34,8		648	2.681	12,1	8
102.	BCL2/XLPE/HFFR-F/GSWA/ST8	61 x 1,5	37,9		823	3.158	12,1	8
103.	BCL2/XLPE/HFFR-F/GSWA/ST8	6 x 2,5	18,1		130	698	7,41	15
104.	BCL2/XLPE/HFFR-F/GSWA/ST8	7 x 2,5	18,1		152	712	7,41	15
105.	BCL2/XLPE/HFFR-F/GSWA/ST8	8 x 2,5	20,2		174	866	7,41	15
106.	BCL2/XLPE/HFFR-F/GSWA/ST8	9 x 2,5	20,2		196	881	7,41	15
107.	BCL2/XLPE/HFFR-F/GSWA/ST8	10 x 2,5	22,8		217	1.182	7,41	15
108.	BCL2/XLPE/HFFR-F/GSWA/ST8	12 x 2,5	23,3		261	1.252	7,41	15
109.	BCL2/XLPE/HFFR-F/GSWA/ST8	14 x 2,5	24,2		304	1.341	7,41	15
110.	BCL2/XLPE/HFFR-F/GSWA/ST8	16 x 2,5	25,1		348	1.453	7,41	15
111.	BCL2/XLPE/HFFR-F/GSWA/ST8	18 x 2,5	26,2		391	1.569	7,41	15
112.	BCL2/XLPE/HFFR-F/GSWA/ST8	19 x 2,5	26,2		413	1.583	7,41	15
113.	BCL2/XLPE/HFFR-F/GSWA/ST8	24 x 2,5	29,7		522	1.987	7,41	15
114.	BCL2/XLPE/HFFR-F/GSWA/ST8	27 x 2,5	30,3		587	2.079	7,41	13
115.	BCL2/XLPE/HFFR-F/GSWA/ST8	33 x 2,5	32,3		717	2.354	7,41	13
116.	BCL2/XLPE/HFFR-F/GSWA/ST8	37 x 2,5	34,3		804	2.751	7,41	13
117.	BCL2/XLPE/HFFR-F/GSWA/ST8	48 x 2,5	38,8		1.043	3.444	7,41	11
118.	BCL2/XLPE/HFFR-F/GSWA/ST8	61 x 2,5	41,9		1.326	3.999	7,41	11
119.	BCL2/XLPE/HFFR-F/GSWA/ST8	6 x 4	19,7		211	860	4,61	20
120.	BCL2/XLPE/HFFR-F/GSWA/ST8	7 x 4	19,7		246	883	4,61	20
121.	BCL2/XLPE/HFFR-F/GSWA/ST8	8 x 4	23,4		282	1.280	4,61	20
122.	BCL2/XLPE/HFFR-F/GSWA/ST8	9 x 4	23,4		317	1.305	4,61	20
123.	BCL2/XLPE/HFFR-F/GSWA/ST8	10 x 4	24,9		352	1.456	4,61	20
124.	BCL2/XLPE/HFFR-F/GSWA/ST8	12 x 4	25,5		423	1.553	4,61	20
125.	BCL2/XLPE/HFFR-F/GSWA/ST8	14 x 4	26,6		493	1.691	4,61	20
126.	BCL2/XLPE/HFFR-F/GSWA/ST8	16 x 4	27,7		563	1.838	4,61	20
127.	BCL2/XLPE/HFFR-F/GSWA/ST8	18 x 4	29,1		634	2.004	4,61	20
128.	BCL2/XLPE/HFFR-F/GSWA/ST8	19 x 4	29,1		669	2.028	4,61	20
129.	BCL2/XLPE/HFFR-F/GSWA/ST8	24 x 4	34,0		845	2.782	4,61	20
130.	BCL2/XLPE/HFFR-F/GSWA/ST8	27 x 4	34,8		951	2.940	4,61	17
131.	BCL2/XLPE/HFFR-F/GSWA/ST8	33 x 4	37,5		1.162	3.401	4,61	17
132.	BCL2/XLPE/HFFR-F/GSWA/ST8	37 x 4	38,7		1.303	3.645	4,61	17
133.	BCL2/XLPE/HFFR-F/GSWA/ST8	48 x 4	43,6		1.690	4.511	4,61	14
134.	BCL2/XLPE/HFFR-F/GSWA/ST8	61 x 4	48,5		2.148	5.800	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