

## EUTEX

### LSOH INTERNATIONAL OFFSHORE CABLE (Power)

Low Smoke / Zero Halogen / Mud Resistant

0.6 / 1KV - 90D C Rated – CSA C22.2 / Fire Resistant to IEC60331-31

#### CONSTRUCTION DATA

- 1 Conductor** : Tinned stranded compacted copper IEC 60228 class 2
- 2 Insulation** : Mica tape + Halogen-free EPR compound  
**Separator** (if necessary) : Halogen-free tape
- 3 Bedding** : Halogen-free compound
- 4 Armour** : Tinned copper wire braid according to IEC 60092-352
- 5 Outer Sheath** : SHF2 MUD Thermoset dual compound Halogen-free & MUD resistant

#### CORE IDENTIFICATION

- 1 Core : Off-white (grey)
- 2 Cores : Off-white; Black
- 3 Cores : Off-white; Black; Red
- 4 Cores : Off-white; Black; Red; Blue
- 5 Cores & above : White & numbered

SHEATH COLOR – Black



Construction (mm <sup>2</sup> )	EUT-01B	Insulation Thickness (mm)	Outer Sheath Thickness (mm)	Overall Diameter (approx) (mm)	Weight (approx) (kg/km)	Bending Radius (mm)	Conductor Resistance at 20°C (Ω/km)	Current Rating at 45°C (A)	Short Circuit Rating (kA)
1 x 16	01C016-Z	1.0	1.2	13.5	365	60	1.160	104	2.33
1 x 25	01C025-Z	1.2	1.5	16.5	545	70	0.735	139	3.65
1 x 35	01C035-Z	1.2	1.6	17.5	675	80	0.530	168	5.11
1 x 50	01C050-Z	1.4	1.6	19	860	85	0.391	208	7.30
1 x 70	01C070-Z	1.6	1.7	21.5	1130	95	0.270	261	10.20
1 x 95	01C095-Z	1.6	1.8	23	1400	105	0.195	319	13.90
1 x 120	01C120-Z	1.6	1.9	24.5	1960	110	0.154	371	17.50
1 x 150	01C150-Z	1.8	2.0	26.5	2050	120	0.126	423	21.90
1 x 185	01C185-Z	2.0	2.1	29	2460	130	0.100	480	27.00
1 x 240	01C240-Z	2.2	2.2	32.5	3115	145	0.076	568	35.00
1 x 300	01C300-Z	2.4	2.3	35.5	3960	160	0.061	649	43.80
2 x 1.5/4	01C300-Z	1.0	1.5	15	325	70	12.200	19	0.21
2 x 2.5/7	02C1.5-Z	1.0	1.5	16	400	75	7.560	27	0.35
2 x 4/7	02C004-Z	1.0	1.5	17	470	80	4.700	37	0.58
2 x 6/8	02C006-Z	1.0	1.6	18.5	560	85	3.110	47	0.87
2 x 10/10	02C010-Z	1.0	1.6	20	685	90	1.840	66	1.46
2 x 16/16	02C016-Z	1.0	1.8	23	960	105	1.160	89	2.33
3 x 1.5/5	03C1.5-2	1.0	1.5	16	400	70	12.200	16	0.21
3 x 2.5/7	03C2.5-2	1.0	1.5	17	450	75	7.560	23	0.36
3 x 4/7	03C004-2	1.0	1.5	18	535	80	4.700	31	0.58
3 x 6/8	03C006-2	1.0	1.6	19.5	645	90	3.110	39	0.87
3 x 10/10	03C010-2	1.0	1.6	21	810	95	1.840	54	1.46
3 x 16/16	03C016-2	1.0	1.8	24.5	1155	110	1.160	73	2.33
3 x 25/16	03C025-2	1.2	1.8	28	1600	125	0.735	97	3.65
3 x 35/16	03C035-2	1.2	2.0	30.5	2025	140	0.530	118	5.11
3 x 50/25	03C050-2	1.4	2.2	34.5	2675	155	0.391	146	7.30
3 x 70/35	03C070-2	1.6	2.4	40.5	3705	180	0.270	183	10.20
3 x 95/50	03C095-2	1.6	2.6	44	4760	200	0.195	223	13.90
3 x 120/60	03C120-2	1.6	2.8	48	5735	215	0.154	259	17.50
3 x 150/75	03C150-2	1.8	2.8	57	7700	255	0.126	296	21.90
3 x 185/95	03C185-2	2.0	3.0	62	9480	280	0.100	337	27.00
3 x 240/120	03C240-2	2.2	3.2	67.5	11,750	305	0.076	398	33.80
4 x 1.5/6	04C1.5-2	1.0	1.5	17	450	75	12.200	16	0.21
4 x 2.5/7	04C2.5-2	1.0	1.5	18	525	80	7.560	23	0.36
4 x 4/8	04C004-2	1.0	1.5	19.5	625	90	4.700	31	0.58
4 x 6/8	04C006-2	1.0	1.6	21	765	95	3.110	39	0.87
4 x 10/10	04C010-2	1.0	1.6	22.5	970	100	1.840	54	1.46
4 x 16/16	04C016-2	1.0	1.8	26	1395	115	1.160	73	2.33
4 x 25/16	04C025-2	1.2	1.8	30	1950	135	0.735	97	3.65
4 x 35/16	04C035-2	1.2	2.0	33.5	2485	150	0.530	118	5.11
4 x 50/25	04C050-2	1.4	2.2	39	3480	175	0.391	146	7.30
4 x 70/35	04C070-2	1.6	2.6	44	4585	200	0.270	183	10.20
4 x 95/50	04C095-2	1.6	2.6	47.5	5800	215	0.195	223	13.90
4 x 120/60	04C120-2	1.6	2.8	52	7145	235	0.154	259	17.50
7 x 1.5/8	07C1.5-Z	1.0	1.5	19.5	600	90	12.200	12	0.21
12 x 1.5/10	12C1.5-Z	1.0	1.7	25	935	110	12.200	10	0.21
19 x 1.5/10	19C1.5-Z	1.0	1.8	28.5	1240	130	12.200	9	0.21
27 x 1.5/11	27C1.5-Z	1.0	2.0	36	1895	160	12.200	8	0.21
37 x 1.5/13	37C1.5-Z	1.0	2.2	39	2395	175	12.200	8	0.21
7 x 2.5/8	07C2.5-Z	1.0	1.5	21	725	95	7.560	17	0.36
12 x 2.5/11	12C2.5-Z	1.0	1.7	26.5	1175	120	7.560	13	0.36
19 x 2.5/11	19C2.5-Z	1.0	1.8	31	1615	140	7.560	12	0.36
27 x 2.5/16	27C2.5-Z	1.0	2.0	39	2495	175	7.560	10	0.36
37 x 2.5/16	37C2.5-Z	1.0	2.2	43	3150	195	7.560	10	0.36

Design and Construction	IEC 60092-353
Operating Temperature	90°C
Nominal Voltage U <sub>0</sub> /U	0.6/1 kV
Flame Retardancy	IEC 60332-1 IEC 60332-3-22
Flame Resistance	IEC 60331-31
Corrosivity	IEC 60754-1 IEC 60754-2
Smoke Density	IEC 61034-2
MUD Resistance	NEK 606:2004

On Request:  
Cold Bend and Impact (-40°C) CSA C22.2 No 38-95

SHEATH COLOR – Black

#### SHEATH MARKING

BFOU P5/P12 0.6/1 kV n x s/braid  
NEK 606:2004 IEC 60331-31 QA ref Metric marking

# EUTEX

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