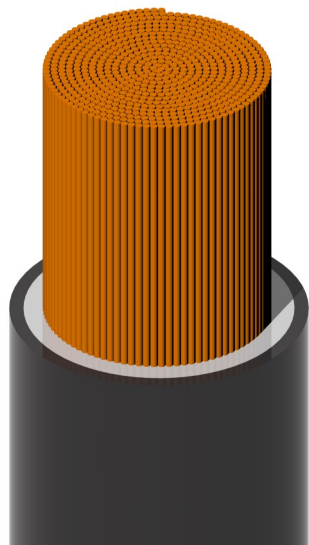


UP

Flexible Shipboard Power & Control

0.6 /
1 kV-40°C to
90°CFlame
RetardantHighly
Flexible

LSZH

Oxygen
Index >32<5% HCL
Emission

Flexible Power and Control cables suitable for all shipboard and marine applications

Conductor

- Finely stranded annealed copper
- Class 5 & 6 to BS 6360 and IEC60228
- Available plain or tinned

Insulation

- LSFLEX® R-30 (HF-HERP)
- Cross-linked Polyolefinic
- Thermoset,
- Flame Retardant,
- Low Smoke Zero Halogen,
- Splash Resistant to oil, skydrol, petrol, acid and sea water,
- Resists ozone and UV,

Standards

- IEC 60228
- IEC 60092-350
- IEC 60092-351
- IEC 60092-353
- IEC 60332-1
- IEC 60332-3 (Cat A)
- IEC 60754 - 1&2
- IEC 61034 - 1&2

Approvals

- LR
- DNV
- ABS
- BV
- GL
- USCG
- Transport Canada
Marine Safety
(COLD BEND & IMPACT
PERFORMANCE TEST)

Product		UP1	UP1.5	UP2.5	UP4	UP6	UP10	UP16	UP25	UP35	UP50	UP70	UP95	UP120	UP150	UP185	UP240	UP300	UP400	UP500	UP630
No. of Conductors		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cross Section Area (mm ²)		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0	70.0	95.0	120.0	150.0	185.0	240.0	300.0	400.0	500.0	630.0
OD (mm)	Min	2.5	2.8	3.2	3.7	4.4	5.3	6.5	8.1	9.3	10.9	12.7	14.8	16.7	18.7	20.9	23.3	26.0	29.4	32.9	36.7
	Max	2.8	3.2	3.6	4.2	4.9	5.9	7.2	8.8	10.2	11.9	13.9	16.1	18.2	20.4	22.7	25.3	28.3	31.9	35.7	39.8
Min Bending Radius (mm)		15	17	19	22	26	32	39	48	56	65	76	89	100	112	125	140	156	176	197	220
Approx Weight (Kg/km)		14	19	28	43	62	99	153	236	326	462	640	865	1089	1360	1679	2156	2691	3552	4494	5650
Max. Current Rating** (Amps)		16	20	28	38	48	67	90	120	145	185	225	275	320	365	415	490	560	640	736	845
Short Circuit Current (Amps for 1 second)		146	219	365	584	876	1460	2336	3650	5110	7300	10220	13870	17520	21900	27010	35040	43800	58400	73000	91980
Voltage Drop at 50hz (mV/Am)		46.8	30.5	16.4	10.2	6.81	4.05	2.55	1.62	1.17	0.872	0.615	0.457	0.373	0.316	0.269	0.227	0.202	0.183	0.17	0.159

**IEC 60092-352:2005 Table B.4 - Current carrying capacities in continuous service, 90°C operating temperature, 45 °C ambient air temperature.