

FLEXIBLE SHIPBOARD POWER & CONTROL

0.6/1kV 110°C LSZH Oxygen Index >32, HCL Emission <0.5%

LOW SMOKE
ZERO HALOGEN
FLAME
RETARDANT



APPLICATION

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

CONSTRUCTION

Conductor: Finely stranded annealed copper to IEC 60228 Class 5&6 & AS/NZS 1125. Available in plain or tinned.

Insulation: LSFLEX®R-30, Cross-linked, Polyolefinic, Thermoset, Flame Retardant, Low Smoke, Zero Halogen (HF-90 to IEC 60092-351) Splash resistant to oil, skydrol, petrol, acid, sea water. Resists ozone and UV.

Ripcord: High strength ripcord under jacket

Jacket: LSFLEX®S-50, Polyolefinic, Flame Retardant, Low Smoke, Zero Halogen (SHF-1 to IEC 60092-359) Splash resistant to oil, skydrol, petrol, acid, sea water. Resists ozone and UV.

OPERATING TEMP

-40°C to +110°C

VOLTAGE RATING

600/1000 Volts

CORE COLOURS

To customer specification

JACKET COLOUR

To customer specification

STANDARDS

AS/NZS 1125	IEC 60228	IEEE 45
AS/NZS 1660.5.1	IEC 60092-350	IEEE 1580
AS/NZS 1660.5.2	IEC 60092-353	
AS/NZS 1660.5.3	IEC 60332-1	
AS/NZS 1660.5.6	IEC 60332-3-22	
	IEC 60754-1&2	
	IEC 61034-1&2	

APPROVALS

LR, DNV, ABS, GL, BV, USCG, TC Transport Canada Marine Safety
"Cable constructions, Jackets, and Inner components tested to UL 1309 - CSA C22.2 No. 245 for Cold Bend (-40C) and Cold Impact (-35C)"

NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	APPROX. NUMBER OF WIRES			CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	OVERALL DIAMETER (mm) NOMINAL	APPROX. WEIGHT (kg/km)	CURRENT RATING* (Amps)
		TRIANGLE	CLASS 5	CLASS 6					
1c 6	20	84	84	192	3.1	4.6	6.7	85	52
1c 10	23	144	80	320	4.1	5.6	7.7	129	72
1c 16	27	224	128	512	5.1	6.7	9.0	188	96
1c 25	32	350	200	800	6.4	8.4	10.7	282	127
1c 35	37	490	280	1120	7.8	9.8	12.3	385	157
1c 50	42	707	400	705	9.2	11.5	14.0	540	196
1c 70	48	991	356	990	10.8	13.3	16.0	730	242
1c 95	55	1344	485	1340	12.8	15.3	18.3	981	293
1c 120	61	1692	614	1690	14.5	17.3	20.4	1216	339
1c 150	69	2124	765	2123	16.3	19.5	22.9	1541	389
1c 185	76	2584	994	1470	18.0	21.7	25.2	1869	444
1c 240	84	3344	1125	1905	20.3	24.2	28.0	2389	522
1c 300	93	4144	1530	2385	22.5	27.2	31.1	2998	601
1c 400	104	5488	2035	3200	26.0	30.7	34.8	3858	670
1c 500	116	6944	1768	4010	29.2	34.4	38.7	4855	720
1c 630	130	8736	3200	5020	32.8	38.4	43.2	6098	780

*IEC 60092-352:2005 Table B.4 – Current carrying capacities in continuous service, 90°C operating temperature, 45°C ambient air temperature. Refer to Technical Information for correction factors, voltage drop, short circuit rating and other conditions. Triangle Cables is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time

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NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	APPROX. NUMBER OF WIRES			CONDUCTOR DIAMETER (mm)	OVERALL DIAMETER (mm) NOMINAL	APPROX. WEIGHT (kg/km)	CURRENT RATING* (Amps)
		TRIANGLE	CLASS 5	CLASS 6				
2c 1.5	24	-	-	-	1.5	8.1	86	20
2c 2.5	28	-	-	-	2.1	9.5	124	26
2c 4	31	-	-	-	2.5	10.3	163	34
2c 6	35	84	84	192	3.1	11.8	223	44
2c 10	41	144	80	320	4.1	13.8	334	61
2c 16	49	224	128	512	5.1	16.2	481	82
2c 25	59	350	200	800	6.4	19.8	745	108
2c 35	68	490	280	1120	7.8	22.7	1008	133
3c 1.5	25	-	-	-	1.5	8.4	106	16
3c 2.5	30	-	-	-	2.1	10.1	149	21
3c 4	33	-	-	-	2.5	10.9	200	28
3c 6	37	84	84	192	3.1	12.5	276	36
3c 10	45	144	80	320	4.1	14.9	430	50
3c 16	52	224	128	512	5.1	17.4	626	67
3c 25	63	350	200	800	6.4	21.0	959	89
3c 35	73	490	280	1120	7.8	24.2	1303	110
3c 50	83	707	400	705	9.2	27.7	1836	137
3c 70	96	991	356	990	10.8	32.0	2491	169
3c 95	110	1344	485	1340	12.8	36.7	3354	205
3c 120	123	1692	614	1690	14.5	41.0	4161	237
3c 150	139	2124	765	2123	16.3	46.2	5289	272
3c 185	154	2584	994	1470	18.0	51.2	6439	311
3c 240	171	3344	1125	1905	20.3	57.0	8219	365
4c 1.5	28	-	-	-	1.5	9.5	126	16
4c 2.5	33	-	-	-	2.1	11.0	180	21
4c 4	36	-	-	-	2.5	12.1	250	28
4c 6	41	84	84	192	3.1	13.6	341	36
4c 10	49	144	80	320	4.1	16.3	535	50
4c 16	57	224	128	512	5.1	19.1	784	67
4c 25	70	350	200	800	6.4	23.3	1215	89
4c 35	80	490	280	1120	7.8	26.8	1654	110
4c 50	93	707	400	705	9.2	31.0	2351	137
4c 70	107	991	356	990	10.8	35.6	3173	169
4c 95	122	1344	485	1340	12.8	40.8	4275	205
4c 120	137	1692	614	1690	14.5	45.8	5323	237
4c 150	154	2124	765	2123	16.3	51.5	6763	272
4c 185	171	2584	994	1470	18.0	57.0	8226	311
5c 1.5	31	-	-	-	1.5	10.4	162	16
5c 2.5	37	-	-	-	2.1	12.2	235	21
5c 4	40	-	-	-	2.5	13.3	317	28
5c 6	46	84	84	192	3.1	15.2	437	36
5c 10	55	144	80	320	4.1	18.2	680	50
5c 16	64	224	128	512	5.1	21.3	990	67
5c 25	78	350	200	800	6.4	26.1	1526	89
5c 35	90	490	280	1120	7.8	30.0	2071	110
5c 50	104	707	400	705	9.2	34.7	2936	137
5c 70	120	991	356	990	10.8	40.0	3972	169
5c 95	137	1344	485	1340	12.8	45.8	5339	205
5c 120	154	1692	614	1690	14.5	51.4	6635	237
5c 150	173	2124	765	2123	16.3	57.8	8416	272
5c 185	192	2584	994	1470	18.0	64.1	10253	311
5c 240	214	3344	1125	1905	20.3	71.3	13083	365
7c 1.5	34	-	-	-	1.5	11.3	179	12
10c 1.5	43	-	-	-	1.5	14.3	254	11
12c 1.5	44	-	-	-	1.5	14.8	293	10
14c 1.5	47	-	-	-	1.5	15.6	333	10
16c 1.5	50	-	-	-	1.5	16.7	382	9
19c 1.5	52	-	-	-	1.5	17.5	441	9
24c 1.5	61	-	-	-	1.5	20.5	557	8
27c 1.5	63	-	-	-	1.5	21.1	615	8
33c 1.5	69	-	-	-	1.5	22.9	743	7
37c 1.5	71	-	-	-	1.5	23.8	821	7
7c 2.5	39	-	-	-	2.1	13.1	258	16
10c 2.5	50	-	-	-	2.1	16.8	376	14
12c 2.5	52	-	-	-	2.1	17.5	436	13
14c 2.5	55	-	-	-	2.1	18.4	497	12
16c 2.5	59	-	-	-	2.1	19.7	569	12
19c 2.5	62	-	-	-	2.1	20.8	659	11
24c 2.5	73	-	-	-	2.1	24.3	833	10
27c 2.5	76	-	-	-	2.1	25.2	933	10
33c 2.5	82	-	-	-	2.1	27.2	1116	9
37c 2.5	85	-	-	-	2.1	28.4	1249	9

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