

SDI R-E-110 LSZH - Tinned Switchboard Flex

HIGHLY FLEXIBLE RUBBER POWER CABLE

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SDI R-E-110 LSZH - Tinned Switchboard Flex

Flexible 110° - Low Smoke - Halogen Free

X-HF-110 LSZH - Tinned Switchboard Flex

CONSTRUCTION

Conductors

- » Tinned Copper Conductors
- » Super Flexible Class 6 Stranding

Insulation

- » Orange: R-E-110
- » Black: R-E-110
- » Earth: X-HF-110

Outer Sheath

- » Orange: E-110-R (Flexible Rubber)
- » Black: E-110-R (Flexible Rubber)

Colour Of Outer Sheath

- » Orange or Black or Green/Yellow
- » UV Resistant

Application

- » Switchboards and transformers
- » Mains power distribution
- » Portable power feeds
- » Flexible copper tails
- » Other industrial applications
- » LSZH installations

FEATURES, RATINGS & APPROVALS

Temperature Range

- » Orange: -25°C to 110°C
- » Black: -25°C to 110°C
- » Earth: -40°C to 110°C

Voltage Rating

- » 600/1000V

Features

- » Halogen free
- » Low Smoke
- » Heat resistance
- » Oil and chemical resistant
- » Flame retardant
- » UV and weather resistant

Standards

- » AS/NZS 5000.1
- » AS/NZS 3808
- » AS/NZS 3008
- » AS/NZS 1660.5.2, 1660.5.3
- » IEC 60228
- » IEC 61034-2
- » IEC 60754-2
- » IEC 60332-1

Minimum Bending Radius

- » 5 x cable OD

Item No.	Conductor	Cable OD
110 LSZH - Single Cores		
ORANGE	BLACK	
LAPP-3806141	TF-G-012568-BK-SN	10mm
LAPP-3806142	TF-G-012569-BK-SN	16mm
LAPP-3806143	TF-G-012570-BK-SN	25mm
LAPP-3806144	TF-G-012571-BK-SN	35mm
LAPP-3806145	TF-G-022907-BK-SN	50mm
LAPP-3806146	TF-G-012573-BK-SN	70mm
LAPP-3806147	TF-G-012574-BK-SN	95mm
LAPP-3806148	TF-G-012575-BK-SN	120mm
LAPP-3806149	TF-G-012576-BK-SN	150mm
LAPP-3806150	TF-G-012577-BK-SN	185mm
LAPP-3806151	TF-G-012579-BK-SN	240mm
LAPP-3806152	TF-G-012581-BK-SN	300mm
EARTH - Green Yellow		
LAPP-3806200		10mm
LAPP-3806201		16mm
LAPP-3806202		25mm
LAPP-3806203		35mm
LAPP-3806204		50mm
LAPP-3806205		70mm
LAPP-3806206		95mm
LAPP-3806207		120mm

CURRENT RATINGS BASED ON AS/NZS 3008.1.1 TABLES 6 & 9

Conductor	Unenclosed						Enclosed		Underground			
	Spaced	Spaced	Spaced from Surface	Spaced from Surface	Touching	Touching	Exposed to sunlight	Exposed to sunlight	In Conduit in air	In Conduit in air	Buried in Conduit	Buried in Conduit
mm2	2	3	2	3	2	3	2	3	2	3	2	3
10	102	99	98	85	80	80	67	67	77	70	86	76
16	135	130	129	112	105	105	88	88	102	91	112	97
25	178	173	170	149	139	139	116	116	133	121	143	125
35	221	214	210	184	172	172	143	143	167	148	176	151
50	279	270	263	233	218	217	179	179	207	190	215	188
70	351	340	329	292	273	273	224	224	263	234	266	229
95	422	410	395	353	329	329	269	269	312	277	312	268
120	500	487	466	418	390	390	318	317	364	331	359	316
150	577	562	536	482	450	450	366	365	426	378	414	357
185	660	644	611	553	516	516	418	417	481	438	464	404
240	794	775	732	665	621	620	500	499	583	538	548	481
300	916	895	841	766	716	714	575	572	612	612	631	542

These ratings are based on an ambient air temperature of 40°C, and an ambient soil temperature of 25°C at 0.5m depth.