

## Single Core Double Insulated Rubber Flexible Cable LSZH X-HF-110 0.6/1kV

Single Core, Double Insulated  
0.6/1kV  
X-HF-110 Rubber  
Flexible  
Low Smoke Zero Halogen



### Cable Construction

- Conductors:**  
Conductors of extra fine bare annealed copper wires to International Standards to ensure maximum flexibility. Class 5 & 6.
- Insulation:**  
X-HF-110 flexible insulation for conductor temperature of 110°C.
- Sheath:**  
Low Smoke Zero Halogen HFS-110-TP thermosetting compound.  
UV resistant and flame retardant.
- Splash resistant to oil, chemically resistant, heat & weather resistant, excellent abrasion resistance and ozone resistant.

### Temperature Range

-40 to 110°C static  
-25 to 90° flexing

### Current Rating

Based on Table 9 of AS/NZS 3008

### Rated Voltage

0.6/1kV

### Relevant Standards

AS/NZS 1125 IEC 60332-1 AS/NZS 5000.1 AS/NZS 3808

### Maximum Conductor Temperature

110°C

### Bending Radius

5 X Cable Diameter after installed,  
7 X Cable Diameter during installing.

### Typical Uses

#### Power:

Switchboards, flexible droppers from busbars, transformers, load banks, or other equipment requiring fixed installation wiring. Suitable for Mains, sub-mains & sub-circuits unenclosed, enclosed in conduit & for direct buried in underground ducts.

#### Automotive:

Battery leads, battery chargers, electric forklifts etc.

#### Welding:

Earth and electrode leads.

The materials used in the manufacture of these cables are RoHS Compliant.

### Available Colour

Orange, Black, Red, Blue  
Insulation: White

## Technical Data

Part Number	Size mm <sup>2</sup>	Nom. Stranding No./mm	Insulation Thickness mm	Nom. Sheath Thickness mm	Nom. O.D. mm	Conductor resistance @20°C Ω/km	Nom. Amps 40°C Spaced	Approx. Cable Weight Kg/Km	Maximum Pulling Tension kN
AR110/006OR	6.0	176/0.20	0.7	1.4	7.6	3.3	70	94	0.42
AR110/010OR	10	294/0.20	0.7	1.4	8.5	1.91	99	135	0.7
AR110/016OR	16	470/0.20	0.7	1.4	9.7	1.21	130	195	1.12
AR110/025OR	25	726/0.20	0.9	1.4	11.5	0.78	173	287	1.75
AR110/035OR	35	1040/0.20	0.9	1.4	12.7	0.554	214	388	2.45
AR110/050OR	50	1499/0.20	1.0	1.4	14.7	0.386	270	540	3.5
AR110/070OR	70	2165/0.20	1.1	1.4	16.8	0.272	340	735	4.9
AR110/095OR	95	2745/0.20	1.1	1.5	18.6	0.206	410	943	6.65
AR110/120OR	120	3544/0.30	1.2	1.5	20.3	0.161	487	1180	8.4
AR110/150OR	150	4561/0.30	1.4	1.6	22.6	0.129	562	1484	10.5
AR110/185OR	185	5931/0.30	1.6	1.7	25.2	0.106	644	1772	12.95
AR110/240OR	240	7812/0.30	1.7	1.8	29.1	0.0801	775	2379	16.8
AR110/300OR	300	9965/0.30	1.8	1.9	31.0	0.0641	895	2958	21
AR110/400OR	400	13046/0.30	2.0	2.0	35.4	0.0486	1079	3885	28
AR110/500OR	500	16588/0.30	2.2	2.1	39.2	0.0384	1260	4847	35
AR110/630OR	630	21366/0.30	2.4	2.2	44.3	0.0287	1493	6083	44.1

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