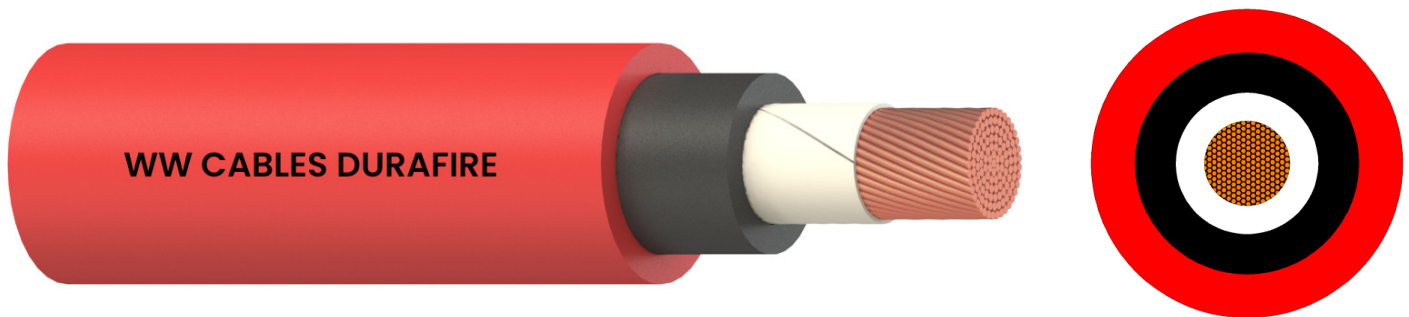




## 1C X-HF-110 Insulated Fire Rated Cables 0.6/1kV, Flexible Cu, LSZH, 110°C



© World Wire Cables (Aust) Pty Ltd. All Rights Reserved.

Note: The above drawing is for representation purpose only.

### Description

Conductor:	Class 5 Flexible Plain Annealed Copper
Fire Barrier:	Mica Tape
Insulation:	Low Smoke Zero Halogen X-HF-110
Sheath:	Low Smoke Zero Halogen HFS-110-TP

### Core Identification

Black

### Sheath Colour

Red

### Technical Data

Voltage Rating:	0.6/1kV
Operating Temperature:	-40°C to +110°C
Short Circuit Temperature:	250°C for 5 sec

### Standards Compliance

AS/NZS 3013 (WS52W)	AS/NZS 5000.1
AS/NZS 1125	AS/NZS 3808
AS/NZS 1660	

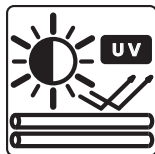
### Characteristics



FIRE RATED



FLAME RETARDANT



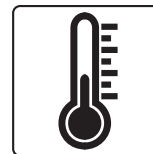
UV RESISTANT



LOW SMOKE



HALOGEN FREE



-40°C ~ +110°C



FLEXIBLE

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.





## 1C X-HF-110 Insulated Fire Rated Cables 0.6/1kV, Flexible Cu, LSZH, 110°C

### Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm <sup>2</sup> )	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
					During Installation	After Installation	
7816HFSMICA-FLEX	16	5.4	0.7	10.9	96	72	249
7825HFSMICA-FLEX	25	6.9	0.9	12.8	113	84	358
7835HFSMICA-FLEX	35	8.6	0.9	14.5	128	96	462
7850HFSMICA-FLEX	50	10.4	1.0	16.6	146	110	630
7870HFSMICA-FLEX	70	11.7	1.1	18.2	160	120	837
7895HFSMICA-FLEX	95	13.5	1.1	20.2	178	133	1088
7812HFSMICA-FLEX	120	15.4	1.2	22.4	197	148	1356
7815HFSMICA-FLEX	150	16.4	1.4	23.9	210	158	1658
7818HFSMICA-FLEX	185	18.3	1.6	26.4	232	174	2034
7824HFSMICA-FLEX	240	20.8	1.7	29.3	258	193	2598
7830HFSMICA-FLEX	300	23.2	1.8	32.0	282	211	3197
7840HFSMICA-FLEX	400	29.2	2.0	38.9	342	257	4211
7805HFSMICA-FLEX	500	32.2	2.2	42.5	374	281	5217
7863HFSMICA-FLEX	630	35.5	2.4	46.5	409	307	6554

© World Wire Cables (Aust) Pty Ltd. All Rights Reserved.

Conductor Size (mm <sup>2</sup> )	+Current-carrying capacity (A)			Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Trefoil) (Ω/km)
	In Air Touching Flat	In Air Enclosed	In Ground Enclosed		
16	105	91	97	1.21	0.101
25	139	121	125	0.780	0.0973
35	172	148	151	0.554	0.0930
50	217	190	188	0.386	0.0901
70	273	234	229	0.272	0.0869
95	329	277	268	0.206	0.0849
120	390	331	316	0.161	0.0828
150	450	378	357	0.129	0.0830
185	516	438	404	0.106	0.0821
240	620	538	481	0.0801	0.0808
300	714	612	542	0.0641	0.0800
400	855	757	648	0.0486	0.0788
500	990	864	729	0.0384	0.0780
630	1154	993	828	0.0287	0.0777

+Based on trefoil formation, ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.

