

# Flexible Building Wire

## 110°C Flexible halogen-free building wire

Australian standard 110°C halogen free, low smoke, high temperature, flame-retardant, UV-resistant flexible cable

### Construction:

Class 5 (0.5-10mm<sup>2</sup>) or Class 6 (16-25mm<sup>2</sup>) tinned fire wire flexible copper conductor, halogen-free, low smoke, high temperature, flame-retardant, UV-resistant. Cross-linked, halogen-free, flame-retardant compound type X-HF-110 acc. to AS/NZS 3808, chemical and oil-resistant insulation.

### Flame retardant:

AS/NZS 1660.5.1; IEC 60332-3-22  
Cat. A; IEC 60332-1

### Minimum Bending Radius:

4 x cable diameter

### Smoke density:

AS/NZS 1660.5.2; IEC 61034-2

### Nominal Voltage:

600/1000V

### Halogen acid gas content:

AS/NZS 1660.5.3, IEC 60754-1

### Length:

100 mtr spool

### Minimum Operating Temperature:

-40°C

### Gases evolved during combustion:

AS/NZS 1660.5.4, IEC 60754-2

### Maximum Operating Temperature:

+110°C



Part No.	Number and cross-sectional area of conductor n x mm <sup>2</sup>	Maximum diameter of wires in conductor mm	Nominal thickness of insulation mm	Approximate overall diameter mm	Approximate net weight of cables kg/km	Maximum conductor resistance at temperature 20°C Ω/km	Current rating A*
HF1X0.5**	0,5	0,21	0,7	2,3	9	40,1	10
HF1X0.75**	0,75	0,21	0,7	2,5	12	26,7	16
HF1X1**	1	0,21	0,7	2,6	14	20,0	26
HF1X1.5**	1,5	0,26	0,7	2,9	19	13,7	32
HF1X2.5**	2,5	0,26	0,7	3,4	29	8,21	43
HF1X4**	4	0,31	0,7	3,9	42	4,95	57
HF1X6**	6	0,31	0,7	4,4	60	3,39	73
HF1X10**	10	0,41	0,7	5,4	98	1,95	102
HF1X16**	16	0,21	0,7	6,4	150	1,24	135

\* acc to AS/NZS 3008.1.1:2009 Table 6 Column 3

### \*\* = Colour Coding

<b>BK = Black</b>	<b>BE = Blue</b>	<b>BN = Brown</b>	<b>RD = Red</b>	<b>GY = Grey</b>
<b>OE = Orange</b>	<b>PK = Pink</b>	<b>VT = Violet</b>	<b>WE = White</b>	<b>GN/YW = Green/Yellow</b>

### Cross section

in mm <sup>2</sup>	Red	Black	White	Blue	Brown	Grey	Orange	Violet	Pink	Green/ Yellow
0.5	HF1X0.5RD	HF1X0.5BK	HF1X0.5WE	HF1X0.5BE	HF1X0.5BN	HF1X0.5GY	HF1X0.5OE	HF1X0.5VT	HF1X0.5PK	HF1X0.5GN/YW
0.75	HF1X0.75RD	HF1X0.75BK	HF1X0.75WE	HF1X0.75BE	HF1X0.75BN	HF1X0.75GY	HF1X0.75OE	HF1X0.75VT	HF1X0.75PK	HF1X0.75GN/YW
1	HF1X1RD	HF1X1BK	HF1X1WE	HF1X1BE	HF1X1BN	HF1X1GY	HF1X1OE	HF1X1VT	HF1X1PK	HF1X1GN/YW
1.5	HF1X1.5RD	HF1X1.5BK	HF1X1.5WE	HF1X1.5BE	HF1X1.5BN	HF1X1.5GY	HF1X1.5OE	HF1X1.5VT	HF1X1.5PK	HF1X1.5GN/YW
2.5	HF1X2.5RD	HF1X2.5BK	HF1X2.5WE	HF1X2.5BE	HF1X2.5BN	HF1X2.5GY	HF1X2.5OE	HF1X2.5VT	HF1X2.5PK	HF1X2.5GN/YW
4	HF1X4RD	HF1X4BK	HF1X4WE	HF1X4BE	-	-	-	-	-	HF1X4GN/YW
6	HF1X6RD	HF1X6BK	HF1X6WE	HF1X6BE	-	-	-	-	-	HF1X6GN/YW
10	HF1X10RD	HF1X10BK	HF1X10WE	HF1X10BE	-	-	-	-	-	HF1X10GN/YW
16	HF1X16RD	HF1X16BK	HF1X16WE	HF1X16BE	-	-	-	-	-	-

