

# Building Wire

# RALOS

## 110°C Halogen-free Building Wire

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

### Construction:

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

### Minimum Bending Radius:

6 x cable diameter

### Nominal Voltage:

600/1000V

### Temperature Range:

-40°C to +110°C

### Length:

100 mtr spool

### Relevant Standard:

AS/NZS1125, AS/NZS3808, AS/NZS5000.1, IEC60332-1, IEC60332-3-22(CAT A), IEC60754-1 & 2, IEC61034-2



**RALOS ELECTRIC CABLE 1X2.5 SQMM TC/X-HF-110 0.6/1KV AS/NZS**

### Electrical Properties

Size	Conductor Dia-meter	Insulation Thick-ness	Overall Diameter	Approx. Weight	Max. 20°C D.C Conductor Resistance	Current Rating (Three Phase, Spaced)
mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	A
0.5	0.9	0.7	2.4	10	40.1	11
0.75	1.1	0.7	2.6	13	26.7	15
1.0	1.3	0.7	2.8	16	20	25
1.5	1.5	0.7	3.0	20	13.7	31
2.5	2.0	0.7	3.5	33	8.21	42
4.0	2.6	0.7	4.1	45	5.09	55
6.0	3.2	0.7	4.7	64	3.39	70
10	4.3	0.7	5.8	104	1.95	99
16	5.3	0.7	6.8	159	1.24	130

### Part Number

#### 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
1.0	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
4.0	HF1X4RD	HF1X4BK	HF1X4WE	HF1X4BE	-	-	-	-	-	HF1X4GN/YW
6.0	HF1X6RD	HF1X6BK	HF1X6WE	HF1X6BE	-	-	-	-	-	HF1X6GN/YW
10	HF1X10RD	HF1X10BK	HF1X10WE	HF1X10BE	-	-	-	-	-	HF1X10GN/YW
16	HF1X16RD	HF1X16BK	HF1X16WE	HF1X16BE	-	-	-	-	-	-

### COLOUR CODING

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