

SINGLE INSULATED LOW SMOKE HALOGEN FREE 0.6/1KV unprotected single core X-HF-110°



Application:	Low Smoke Halogen Free 110°C for fixed application
Conductor:	Tinned Copper Flexible Conductor to AS/NZS 5000.1:2003
Insulation:	X-HF-110 110°C Low Smoke Halogen Free
Colours:	White, Blue, Red, Black and Green/Yellow
Pack Size:	100m & 500m

Code	Number of Strands x wire Ø mm	Nominal Area mm ²	Average Insulation Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
				Max D.C. Resistance at 20° C m Ω/mt		
LSFT0.50	1/0.80	0.50	0.80	35.70	2.50	1.16
LSFT1.0	32/0.20	1.00	0.70	19.50	2.70	1.6
LSFT1.5	30/0.25	1.50	0.70	13.70	3.00	2.07
LSFT2.5	50/0.25	2.50	0.70	8.21	3.50	3.18
LSFT4	56/0.30	4	0.70	5.09	4.10	4.70
LSFT6	84/0.30	6	0.70	3.39	4.70	6.65
LSFT10	322/0.20	10	0.70	1.910	5.70	10.70
LSFT16	511/0.20	16	0.70	1.210	6.75	16.40
LSFT25	784/0.20	25	0.90	0.780	8.30	25.10
LSFT35	1113/0.20	35	0.90	0.554	9.70	35.00
LSFT50	1577/0.20	50	1.00	0.386	11.40	49.20

OFHC (oxygen free high conductivity copper) is employed in audio and industrial electronic units.

Features:

1. High electric and thermal conductivity

Since OFHC contains oxygen and impurities in very small quantities only, it shows excellent electric conductivity and thermal conductivity (Oxygen and impurities reduce the conductivity)

2. Excellent hydrogen embrittlement resistance

(TPC) Tough pitch copper becomes very brittle when it is heated at higher than 600°C under a reduction gas atmosphere including hydrogen gas. Since OFHC contains a very low oxygen content only, it does not show any brittleness