



Double Insulated Power Flexes

110⁰C rated Double Insulated Power Flex

UV Stabilized Low Flame Probagation to AS/NZS1660

Low Smoke Halogen Free Cross-linked Insulation 110⁰ C

Conductor: Plain Copper Conductor to AS1125 Fine Copper Stranding to Class 5 & 6
Insulation: X-HF-110 110⁰C Low Smoke Halogen Free to AS/NZS5000.1
Sheath: Nitrile modified PVC V90HT UV stabilised (PVC/NBR V105⁰ C) to AS/NZS 3808 , AS/NZS5000.1
Colors: Orange, Blue, Red and Black
Pack Size: 100mt, 250mt and 500mt.
Voltage rating: 0.6/1KVAC (900/1500VDC)

Code	Nominal Area mm ²	Stranding number of strands by wire size	Average Insulation Thickness mm	Average Sheath Thickness mm	OFHC	Current Rating * Amps	Nominal O.D. mm	Bending Radius		Mass Kg/100mt
					Max D.C. Resistance at 20° C m Ω/mt			During Installation (mm)	Final Installation (mm)	
LHDN6	6	192/0.20	0.70	1.20	3.39	57	7.00	42	28	8.30
LHDN10	10	203/0.25	0.70	1.20	1.910	80	8.55	51	34	15.30
LHDN16	16	322/0.25	0.70	1.20	1.210	105	9.20	55	37	20.10
LHDN25	25	504/0.25	0.90	1.30	0.780	139	11.10	67	44	30.50
LHDN35	35	708/0.25	0.90	1.35	0.554	172	12.40	74	50	41.20
LHDN50	50	1008/0.25	1.00	1.40	0.386	217	14.30	86	57	57.80
LHDN70	70	1425/0.25	1.10	1.50	0.272	273	16.40	98	66	78.90
LHDN95	95	1178/0.32	1.10	1.55	0.206	329	18.00	108	72	102.00
LHDN120	120	1482/0.32	1.20	1.60	0.161	390	20.00	120	80	124.30
LHDN150	150	1862/0.32	1.40	1.70	0.129	450	22.20	133	89	158.20
LHDN185	185	1767/0.365	1.60	1.80	0.104	516	24.70	148	99	198.00
LHDN240	240	2280/0.365	1.70	1.90	0.081	620	28.10	169	112	275.00
LHDN300	300	2831/0.365	2.00	2.00	0.0641	714	32.00	192	128	356.00

* Current-carrying capacity to AS/NZS 3008.1.1:2009 Table 9 Touching

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 600⁰ C under a reduction gas atmosphere including hydrogen gas. Since OFHC contains a very low oxygen content only, it does not show any brittleness

Please Note!

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