



110°C Double Insulated Power Flexes

UV Stabilized Low Flame Propagation to AS/NZS IEC 60332.1.2

Low Smoke Halogen Free Cross-linked Insulation 110°C

Conductor: Plain Copper Conductor to AS1125 Fine Copper Stranding to Class 5 & 6
Insulation: X-HF-110 110°C to AS/NZS5000.1
Sheath: Nitrile modified PVC V90HT UV stabilised (PVC/NBR V105° 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	Number of Strands x Wire Ø mm	Average Insulation Thickness mm	Average Sheath Thickness mm	OFHC Max D.C. Resistance @ 20° C mΩ/m	Continuous Current Rating * (A)	Short circuit Current (1sec) # (A)	Nominal O.D. mm	Bending Radius During Installation mm	Bending Radius Final Installation mm	Mass (kg/100mt)
LHDN6	6	84/0.30	0.70	1.40	3.30	57	792	7.70	46	31	8.30
LHDN10	10	135/0.30	0.70	1.40	2.052	80	1,320	8.80	53	35	15.30
LHDN16	16	224/0.30	0.70	1.40	1.237	105	2,112	9.90	59	40	20.10
LHDN25	25	336/0.30	0.90	1.40	0.824	139	3,300	11.40	68	46	30.50
LHDN35	35	476/0.30	0.90	1.40	0.577	172	4,620	13.00	78	52	41.20
LHDN50	50	672/0.30	1.00	1.40	0.412	217	6,600	14.70	88	59	57.80
LHDN70	70	960/0.30	1.10	1.40	0.289	273	9,240	16.80	101	67	78.90
LHDN95	95	1260/0.30	1.10	1.50	0.220	329	12,540	19.40	116	78	102.00
LHDN120	120	1653/0.30	1.20	1.50	0.168	390	15,840	20.80	180	120	124.30
LHDN150	150	2052/0.30	1.40	1.60	0.135	450	19,800	23.00	200	133	158.20
LHDN185	185	2565/0.30	1.60	1.60	0.108	516	24,420	26.10	222	148	198.00
LHDN240	240	3344/0.30	1.70	1.70	0.083	620	31,680	29.30	253	169	275.00
LHDN300	300	2736/0.37	1.80	1.80	0.0653	714	39,600	32.00	288	192	356.00
LHDN400	400	3663/0.37	2.00	1.90	0.0488	855	52,800	36.20	325	217	415.00
LHDN500	500	6660/0.30	2.20	2.00	0.0416	990	66,000	40.00	345	230	509.00
LHDN630	630	5328/0.37	2.40	2.20	0.0335	1154	83,160	42.50	383	255	599.60

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

Short Circuit current for 1 second duration as per AS3008, no derating value applied for installation method

Features:

1. Oxygen Free High Conductivity copper with excellent electric and thermal conductivity properties.
2. Excellent hydrogen embrittlement resistance, (TPC) Tough pitch copper becomes very brittle when it is heated at higher than 600°C under a reducing gas atmosphere including hydrogen. Since OFHC contains a very low oxygen content, it does not show any brittleness.
3. Class 5 and 6 Flexible Conductor.
4. Flexible Insulation compound.
5. 110°C rated Power Cable.
6. UV Stabilized Sheath.