

HFI 120 LSZH, flame retardant cores

600V/120°C

H-N xxxx

H-NM xxx

Key features:

Voltage rating: 600/1000V
 Test voltage: 3000V
 Temperature range: -40°C / +120°C
 Flame retardant
 Low Smoke Zero Halogen (LSZH)
 RoHS Compliant
 Also referred to as: N xxxx
 NM xxxx

Discontinued product:

Habia Cable regrestfully notifies its customers of the discontinuation of our HFI 120 compound and its associated products. This applies to all new designs with immediate effect. The change-over process for existing designs will be slower and our sales engineers will be pleased to discuss the options for replacement products with our customers on a case-by-case basis.

Wire construction:

Conductor: H-N xxxx: Tin Plated Copper (TPC), AWG sizes
 H-NM xxx: Tin Plated Copper (TPC), Metric sizes
 Insulation: Extruded HFI 120

Order reference (550ccZZZZ):

Prefix: 550 + colour code: cc (e.g. 00, see below) + size: ZZZZ (e.g. 3007, see table)

00	11	22	33	44	55	66	77	88	99	29		45
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink		Yw/Gn

Description	Size		Conductor			Finished Wire			Electrical	Order reference
	AWG	CSA	stranding	resistance	wire Ø	core Ø	tolerance	weight	amps at 40°C	
		mm²		Ω/km				g/m		
H-N 3007	30	0,06	7 x 0,10	354,30	0,30	0,70	±0,07	0,9	3	550cc3007
H-N 2807	28	0,09	7 x 0,13	223,80	0,38	0,78	±0,07	1,2	4	550cc2807
H-N 2619	26	0,16	19 x 0,10	131,60	0,48	0,88	±0,07	1,9	5	550cc2619
H-N 2419	24	0,24	19 x 0,13	83,30	0,60	1,00	±0,07	2,7	7	550cc2419
H-N 2219	22	0,38	19 x 0,16	52,20	0,76	1,16	±0,07	4,0	10	550cc2219
H-NM 0,5	-	0,50	16 x 0,20	40,10	0,88	1,28	±0,07	5,2	12	550cc0050
H-N 2019	20	0,60	19 x 0,20	32,00	0,96	1,36	±0,07	6,2	13	550cc2019
H-NM 0,75	-	0,75	24 x 0,20	26,70	1,05	1,45	±0,10	7,5	15	550cc0075
H-N 1819	18	0,96	19 x 0,25	20,40	1,21	1,60	±0,10	9,5	18	550cc1819
H-NM 1,0	-	1,00	32 x 0,20	20,00	1,20	1,60	±0,10	9,5	18	550cc0100
H-N 1619	16	1,23	19 x 0,29	15,80	1,36	1,86	±0,10	12,0	22	550cc1619
H-NM 1,5	-	1,50	30 x 0,25	13,70	1,52	2,00	±0,10	14,8	25	550cc0150
H-N 1419	14	1,87	19 x 0,36	10,00	1,70	2,21	±0,10	18,5	30	550cc1419
H-NM 2,5	-	2,50	50 x 0,25	8,21	2,00	2,45	±0,10	24,0	35	550cc0250
H-N 1237	12	2,98	37 x 0,32	2,20	2,20	2,74	±0,10	29,0	41	550cc1237

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Equipment Wires

De-rating Factors for Current Rating														
Temperature de-rating (°C)	10	20	30	40	50	60	70	80	90	100	110	-	-	-
	1.22	1.15	1.08	1.00	0.92	0.84	0.75	0.65	0.54	0.42	0.28	-	-	-
Multicore de-rating factor	2	3	4	6	8	10	12	16	20	24	28	32	36	40
	1.00	0.88	0.80	0.69	0.62	0.59	0.55	0.51	0.48	0.43	0.41	0.39	0.38	0.36

Note: All dimensions in mm and ±4% unless stated Date: 2011-01-27 Created: CJV Approved: TN Reference: EQ_N_11
 Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.