

**MATERIAL:**

1. Natural: 100% Polyamide 6.6 natural

Material Brand: Dupont Zytel 101F, 101L, Ascend Vydyne 21SPC, 21SPF

2. Black: Polyamide 6.6 natural+ ~1% carbon black

Material Brand: Dupont Zytel 101F, 101L, Ascend Vydyne 21SPC, 21SPF + Dupont Zytel 105BK, Ascend Vydyne 25WSP

3. Color: Polyamide 6.6 natural+Colorant

Material Brand: Dupont Zytel 101F, 101L, Ascend Vydyne 21SPC, 21SPF

Flammability of raw material : UL 94 - V2, Plenum Rated AH-2 (Low Smoke)

Humidity absorption: 2,7% - 2,8% (23° C - 50% R.H.)

Installation temperature: -20° C ÷ +85° C

Working temperature: -40° C ÷ +85° C

Max sustainable temperature for short time: +110°C

Good resistance to bases, oils, greases, oil derivates, chloride solvents. Limited resistance to acids. Not resistant to phenols.

Carbon black addition gives a better UV resistance (only for Black Color cable ties)

Listed with:

UL (Underwriters Laboratories) : File E258930 based newest standard UL62275

TUV Approval: EN62275:2019,

CE: Low Voltage Directive 2014/35/EU

DNV-GL: IEC62275

UKCA: IEC62275



LISTED



RoHS: RoHS Directive (EU) 2015/863 amending Annex III to Directive 2011/65/EU

REACH Compliance

Halogen Free

Item Number	Certificate Cat. Number	Size	Width mm	Length mm	Thickness mm	Min Bundle Diameter mm	Max Bundle Diameter mm	Weight (g) 10% tolerance	Material	Tensile Strength
LH-M-080-3	LH-M-080-3	2.5x80mm	2.5±0.2	80±3	0.9±0.2	3.00	14.00	0.19	nylon 66	80N(18lb)
LH-M-100-4	LH-M-100-4	2.5x100mm	2.5±0.2	100±3	1.0±0.2	3.00	20.50	0.23	nylon 66	80N(18lb)
LH-M-120-5	LH-M-120-5	2.5x120mm	2.5±0.2	120±3	1.0±0.2	3.00	27.00	0.31	nylon 66	80N(18lb)
LH-M-130-5	LH-M-130-5	2.5x130mm	2.5±0.2	130±3	1.0±0.2	3.00	30.00	0.32	nylon 66	80N(18lb)
LH-M-150-6	LH-M-150-6	2.5x150mm	2.5±0.2	150±3	1.0±0.2	3.00	36.50	0.38	nylon 66	80N(18lb)
LH-M-160-6	LH-M-160-6	2.5x160mm	2.5±0.2	160±3	1.1±0.2	3.00	39.80	0.41	nylon 66	80N(18lb)
LH-M-200-8	LH-M-200-8	2.5x200mm	2.5±0.2	200±3	1.1±0.2	3.00	52.50	0.50	nylon 66	80N(18lb)
LH-M-260-10	LH-M-260-10	2.5x260mm	2.5±0.2	260±3	1.2±0.2	3.00	73.00	0.73	nylon 66	80N(18lb)
LH-M-380-15	LH-M-380-15	2.5x380mm	2.8±0.2	380±3	1.4±0.2	3.00	110.00	1.31	nylon 66	80N(18lb)
LH-I-140-5	LH-I-140-5	3.6x140mm	3.6±0.2	140±3	1.15±0.2	3.50	33.00	0.59	nylon 66	180N(40lb)
LH-I-150-6	LH-I-150-6	3.6x150mm	3.6±0.2	150±3	1.15±0.2	3.50	36.00	0.61	nylon 66	180N(40lb)
LH-I-200-8	LH-I-200-8	3.6x200mm	3.6±0.2	200±3	1.15±0.2	3.50	46.00	0.83	nylon 66	180N(40lb)
LH-I-250-10	LH-I-250-10	3.6x250mm	3.6±0.2	250±3	1.2±0.2	3.50	68.00	1.07	nylon 66	180N(40lb)
LH-I-280-11	LH-I-280-11	3.6x280mm	3.6±0.2	280±3	1.2±0.2	3.50	78.00	1.16	nylon 66	180N(40lb)
LH-I-300-12	LH-I-300-12	3.6x300mm	3.6±0.2	300±3	1.2±0.2	3.50	84.00	1.27	nylon 66	180N(40lb)
LH-I-370-15	LH-I-370-15	3.6x370mm	3.6±0.2	370±3	1.25±0.2	3.50	106.00	1.54	nylon 66	180N(40lb)
LH-S-120-5	LH-S-120-5	4.6x120mm	4.6±0.2	120±3	1.15±0.2	3.50	23.80	0.70	nylon 66	230N(50lb)
LH-S-160-6	LH-S-160-6	4.6x160mm	4.6±0.2	160±3	1.15±0.2	3.50	36.60	0.88	nylon 66	230N(50lb)
LH-S-180-7	LH-S-180-7	4.6x180mm	4.6±0.2	180±3	1.2±0.2	3.50	43.00	1.11	nylon 66	230N(50lb)
LH-S-200-8	LH-S-200-8	4.8x200mm	4.8±0.2	200±3	1.2±0.2	3.50	49.50	1.13	nylon 66	230N(50lb)
LH-S-250-10	LH-S-250-10	4.8x250mm	4.8±0.2	250±3	1.25±0.2	3.50	65.00	1.52	nylon 66	230N(50lb)
LH-S-280-11	LH-S-280-11	4.8x280mm	4.8±0.2	280±3	1.25±0.2	3.50	74.80	1.73	nylon 66	230N(50lb)
LH-S-300-12	LH-S-300-12	4.8x300mm	4.8±0.2	300±3	1.25±0.2	3.50	81.00	1.79	nylon 66	230N(50lb)
LH-S-350-14	LH-S-350-14	4.8x350mm	4.8±0.2	350±3	1.3±0.2	3.50	97.00	2.10	nylon 66	230N(50lb)
LH-S-360-14	LH-S-360-14	4.8x360mm	4.8±0.2	360±3	1.3±0.2	3.50	100.00	2.15	nylon 66	230N(50lb)
LH-S-370-15	LH-S-370-15	4.8x370mm	4.8±0.2	370±3	1.3±0.2	3.50	103.50	2.20	nylon 66	230N(50lb)
LH-S-380-15	LH-S-380-15	4.8x380mm	4.8±0.2	380±3	1.3±0.2	3.50	106.70	2.30	nylon 66	230N(50lb)
LH-S-390-16	LH-S-390-16	4.8x390mm	4.8±0.2	390±3	1.3±0.2	3.50	110.00	2.45	nylon 66	230N(50lb)
LH-S-430-17	LH-S-430-17	4.8x430mm	4.8±0.2	430±3	1.35±0.2	3.50	122.50	2.73	nylon 66	230N(50lb)
LH-S-450-18	LH-S-450-18	4.8x450mm	4.8±0.2	450±3	1.35±0.2	3.50	129.00	2.85	nylon 66	230N(50lb)
LH-S-500-20	LH-S-500-20	4.8x500mm	4.8±0.2	500±3	1.4±0.2	3.50	145.00	3.30	nylon 66	230N(50lb)
LH-S-550-21	LH-S-550-21	4.8x550mm	4.8±0.2	550±3	1.4±0.2	3.50	160.00	3.50	nylon 66	230N(50lb)
LH-S-610-24	LH-S-610-24	4.8x610mm	4.8±0.2	610±3	1.4±0.2	3.50	179.90	3.85	nylon 66	230N(50lb)
LH-S-740-29	LH-S-740-29	4.8x740mm	4.8±0.2	740±3	1.6±0.2	3.50	220.00	5.90	nylon 66	230N(50lb)
LH-S-920-36	LH-S-920-36	4.8x920mm	4.8±0.2	920±3	1.6±0.2	3.50	278.00	7.50	nylon 66	230N(50lb)
LH-HD-150-6	LH-HD-150-6	7.6x150mm	7.6±0.3	150±5	1.5±0.2	8.50	35.00	1.73	nylon 66	540N(120lb)
LH-HD-200-8	LH-HD-200-8	7.6x200mm	7.6±0.3	200±5	1.5±0.2	8.50	50.90	2.44	nylon 66	540N(120lb)
LH-HD-220-8	LH-HD-220-8	7.6x220mm	7.6±0.3	220±5	1.5±0.2	8.50	56.00	2.60	nylon 66	540N(120lb)
LH-HD-250-10	LH-HD-250-10	7.6x250mm	7.6±0.3	250±5	1.5±0.2	8.50	66.80	3.00	nylon 66	540N(120lb)
LH-HD-300-12	LH-HD-300-12	7.6x300mm	7.6±0.3	300±5	1.5±0.2	8.50	82.80	3.52	nylon 66	540N(120lb)
LH-HD-350-14	LH-HD-350-14	7.6x350mm	7.6±0.3	350±5	1.5±0.2	8.50	98.50	4.00	nylon 66	540N(120lb)
LH-HD-365-14	LH-HD-365-14	7.6x365mm	7.6±0.3	365±5	1.5±0.2	8.50	103.50	4.25	nylon 66	540N(120lb)
LH-HD-380-15	LH-HD-380-15	7.6x380mm	7.6±0.3	380±5	1.5±0.2	8.50	108.00	4.40	nylon 66	540N(120lb)
LH-HD-400-16	LH-HD-400-16	7.6x400mm	7.6±0.3	400±5	1.5±0.2	8.50	114.50	4.66	nylon 66	540N(120lb)
LH-HD-450-18	LH-HD-450-18	7.6x450mm	7.6±0.3	450±5	1.5±0.2	8.50	130.50	5.10	nylon 66	540N(120lb)
LH-HD-550-22	LH-HD-550-22	7.6x550mm	7.6±0.3	550±5	1.5±0.2	8.50	162.50	6.90	nylon 66	540N(120lb)
LH-HD-610-24	LH-HD-610-24	7.6x610mm	7.6±0.3	610±5	1.5±0.2	8.50	181.50	7.66	nylon 66	540N(120lb)
LH-HD-750-30	LH-HD-750-30	7.6x750mm	7.6±0.3	750±5	1.5±0.2	8.50	226.00	9.80	nylon 66	540N(120lb)
LH-EHD-400-16	LH-EHD-400-16	8.8x400mm	8.8±0.4	400±6	1.6±0.2	8.50	115.00	5.80	nylon 66	800N(175lb)
LH-EHD-450-18	LH-EHD-450-18	8.8x450mm	8.8±0.4	450±6	1.6±0.2	8.50	130.50	7.00	nylon 66	800N(175lb)
LH-EHD-500-20	LH-EHD-500-20	8.8x500mm	8.8±0.4	500±6	1.6±0.2	8.50	146.50	7.10	nylon 66	800N(175lb)
LH-EHD-550-21	LH-EHD-550-21	8.8x550mm	8.8±0.4	550±6	1.6±0.2	8.50	163.50	8.40	nylon 66	800N(175lb)
LH-EHD-560-22	LH-EHD-560-22	8.8x560mm	8.8±0.4	560±6	1.6±0.2	8.50	165.50	9.50	nylon 66	800N(175lb)

LH-EHD-610-24	LH-EHD-610-24	8.8x610mm	8.8±0.4	610±6	1.6±0.2	8.50	181.50	9.85	nylon 66	800N(175lb)
LH-EHD-710-28	LH-EHD-710-28	8.8x710mm	8.8±0.4	710±6	1.7±0.2	8.50	195.00	11.40	nylon 66	800N(175lb)
LH-EHD-750-29	LH-EHD-750-29	8.8x750mm	8.8±0.4	750±6	1.7±0.2	8.50	205.00	11.90	nylon 66	800N(175lb)
LH-EHD-760-30	LH-EHD-760-30	8.8x760mm	8.8±0.4	760±6	1.7±0.2	8.50	229.50	12.10	nylon 66	800N(175lb)
LH-EHD-780-31	LH-EHD-780-31	8.8x780mm	8.8±0.4	780±6	1.7±0.2	8.50	235.50	12.60	nylon 66	800N(175lb)
LH-EHD-810-32	LH-EHD-810-32	8.8x810mm	8.8±0.4	810±6	1.7±0.2	8.50	245.00	12.90	nylon 66	800N(175lb)
LH-EHD-920-36	LH-EHD-920-36	8.8x920mm	8.8±0.4	920±6	1.7±0.2	8.50	280.00	14.00	nylon 66	800N(175lb)
LH-EHD-1020-40	LH-EHD-1020-40	8.8x1020mm	8.8±0.4	1020±6	1.7±0.2	8.50	295.00	15.90	nylon 66	800N(175lb)
LH-EHD-1168-46	LH-EHD-1168-46	8.8x1168mm	8.8±0.4	1168±6	1.7±0.2	8.50	340.00	18.20	nylon 66	800N(175lb)
LH-EHD-1220-48	LH-EHD-1220-48	8.8x1220mm	8.8±0.4	1220±6	1.7±0.2	78.00	375.50	19.50	nylon 66	800N(175lb)
LH-EHD-1530-60	LH-EHD-1530-60	8.8x1530mm	8.8±0.4	1530±6	1.7±0.2	160.00	450.00	24.50	nylon 66	800N(175lb)
LH-HSD-230-9	LH-HSD-230-9	12.4x230mm	12.4±0.5	230±8	1.9±0.2	9.00	57.00	7.40	nylon 66	1200N(250lb)
LH-HSD-290-11	LH-HSD-290-11	12.4x290mm	12.4±0.5	290±8	1.9±0.2	9.00	76.00	8.30	nylon 66	1200N(250lb)
LH-HSD-380-15	LH-HSD-380-15	12.4x380mm	12.4±0.5	380±8	1.9±0.2	9.00	103.50	10.50	nylon 66	1200N(250lb)
LH-HSD-480-19	LH-HSD-480-19	12.4x480mm	12.4±0.5	480±8	1.9±0.2	9.00	136.00	12.40	nylon 66	1200N(250lb)
LH-HSD-530-21	LH-HSD-530-21	12.4x530mm	12.4±0.5	530±8	1.9±0.2	10.00	156.00	13.00	nylon 66	1200N(250lb)
LH-HSD-580-22	LH-HSD-580-22	12.4x580mm	12.4±0.5	580±8	1.9±0.2	9.00	168.00	14.30	nylon 66	1200N(250lb)
LH-HSD-650-26	LH-HSD-650-26	12.4x650mm	12.4±0.5	650±8	2.0±0.2	14.00	195.00	16.50	nylon 66	1200N(250lb)
LH-HSD-730-28	LH-HSD-730-28	12.4x730mm	12.4±0.5	730±8	2.0±0.2	9.00	216.00	18.00	nylon 66	1200N(250lb)
LH-HSD-880-34	LH-HSD-880-34	12.4x880mm	12.4±0.5	880±8	2.0±0.2	9.00	263.00	21.00	nylon 66	1200N(250lb)
LH-HSD-1000-34	LH-HSD-1000-34	12.4x1000mm	12.4±0.5	1000±8	2.0±0.2	18.00	315.00	26.50	nylon 66	1200N(250lb)