



WHEN PERFORMANCE MATTERS MOST™

# B-7641 PermaSleeve™ LSZH

## Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves



[www.bradyeurope.com](http://www.bradyeurope.com)

### PermaSleeve™ Wire Marking Sleeves

#### Permanent Heat Shrink Wire Identification

Brady's non-adhesive, printable heat shrink wire marking sleeves fit snugly around wires or cables for maximum insulation protection and permanent identification. Brady's heat shrink sleeving is a full-circle design that provides fast and permanent wire marking. Clear, legible text can be printed on the wire and cable sleeving with a Brady printer for reliable wire identification.

Brady's heat shrink sleeving materials excel in extreme environments, including temperature fluctuations and environments that require abrasion and chemical resistance.



### B-7641 PermaSleeve™ LSZH Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves, 2:1 Shrink Ratio

The wire marking sleeves offer outstanding fire safety properties and minimal smoke emission.



#### Single-sided Printable Sleeves, 50.80 mm width for Brady IP™ Series Printer or BradyPrinter™ PR Plus

Order Reference	Colour	Min. Wire Diameter (mm)	Max. Wire Diameter (mm)	Sleeve Height (mm)	Sleeve Width (mm)	Vertical Repeat (mm)	Sleeves per Row	Rows per Roll	Total Quantity per pack	Ribbon Series
LSZH-094-2-WT	White	1.19	2.03	4.60	50.80	12.70	1	2500	2500	R6600
LSZH-094-2-WT-2	White	1.19	2.03	4.60	25.40	12.70	2	2500	5000	R6600
LSZH-094-2-WT-3	White	1.19	2.03	4.60	16.94	12.70	3	2500	7500	R6600
LSZH-094-2-WT-4	White	1.19	2.03	4.60	12.70	12.70	4	2500	10000	R6600
LSZH-094-2-WT-S	White	1.19	2.03	4.60	50.80	12.70	1	500	500	R6600
LSZH-125-150-YL-2	Yellow	1.57	2.79	6.00	19.05	12.70	2	2500	5000	R6600
LSZH-125-2-WT	White	1.57	2.79	6.00	50.80	12.70	1	2500	2500	R6600
LSZH-125-2-WT-2	White	1.57	2.79	6.00	25.40	12.70	2	2500	5000	R6600
LSZH-125-2-WT-3	White	1.57	2.79	6.00	16.94	12.70	3	2500	7500	R6600
LSZH-125-2-WT-4	White	1.57	2.79	6.00	12.70	12.70	4	2500	10000	R6600
LSZH-125-2-WT-S	White	1.57	2.79	6.00	50.80	12.70	1	500	500	R6600
LSZH-187-2-WT	White	2.39	3.83	8.50	50.80	15.88	1	2500	2500	R6600
LSZH-187-2-WT-2	White	2.39	3.83	8.50	25.40	15.88	2	2500	5000	R6600
LSZH-187-2-WT-3	White	2.39	3.83	8.50	16.94	15.88	3	2500	7500	R6600
LSZH-187-2-WT-4	White	2.39	3.83	8.50	12.70	15.88	4	2500	10000	R6600
LSZH-187-2-WT-S	White	2.39	3.83	8.50	50.80	15.88	1	500	500	R6600
LSZH-250-2-WT	White	3.17	5.46	11.15	50.80	19.05	1	2500	2500	R6600
LSZH-250-2-WT-2	White	3.17	5.46	11.15	25.40	19.05	2	2500	5000	R6600
LSZH-250-2-WT-3	White	3.17	5.46	11.15	16.94	19.05	3	2500	7500	R6600
LSZH-250-2-WT-4	White	3.17	5.46	11.15	12.70	19.05	4	2500	10000	R6600
LSZH-250-2-WT-S	White	3.17	5.46	11.15	50.80	19.05	1	500	500	R6600
LSZH-375-2-WT	White	4.77	8.13	16.40	50.80	25.40	1	1000	1000	R6600
LSZH-375-2-WT-2	White	4.77	8.13	16.40	25.40	25.40	2	1000	2000	R6600
LSZH-375-2-WT-3	White	4.77	8.13	16.40	16.94	25.40	3	1000	3000	R6600
LSZH-375-2-WT-4	White	4.77	8.13	16.40	12.70	25.40	4	1000	4000	R6600
LSZH-375-2-WT-S	White	4.77	8.13	16.40	50.80	25.40	1	250	250	R6600
LSZH-500-2-WT	White	6.35	11.43	21.60	50.80	31.75	1	500	500	R6600
LSZH-500-2-WT-2	White	6.35	11.43	21.60	25.40	31.75	2	500	1000	R6600
LSZH-500-2-WT-3	White	6.35	11.43	21.60	16.94	31.75	3	500	1500	R6600
LSZH-500-2-WT-4	White	6.35	11.43	21.60	12.70	31.75	4	500	2000	R6600
LSZH-500-2-WT-S	White	6.35	11.43	21.60	50.80	31.75	1	250	250	R6600
LSZH-750-2-WT	White	9.52	17.78	31.40	50.80	41.28	1	250	250	R6600
LSZH-750-2-WT-2	White	9.52	17.78	31.40	25.40	41.28	2	250	500	R6600
LSZH-750-2-WT-3	White	9.52	17.78	31.40	16.94	41.28	3	250	750	R6600
LSZH-750-2-WT-4	White	9.52	17.78	31.40	12.70	41.28	4	250	1000	R6600
LSZH-750-2-WT-S	White	9.52	17.78	31.40	50.80	41.28	1	100	100	R6600
LSZH-1000-2-WT	White	11.43	24.13	42.16	50.80	50.80	1	250	250	R6600
LSZH-1000-2-WT-2	White	11.43	24.13	42.16	25.40	50.80	2	250	500	R6600
LSZH-1000-2-WT-3	White	11.43	24.13	42.16	16.94	50.80	3	250	750	R6600
LSZH-1000-2-WT-4	White	11.43	24.13	42.16	12.70	50.80	4	250	1000	R6600
LSZH-1000-2-WT-S	White	11.43	24.13	42.16	50.80	50.80	1	100	100	R6600
LSZH-1500-2-WT	White	19.05	35.56	61.80	50.80	76.20	1	250	250	R6600
LSZH-2000-2-WT	White	25.40	48.26	80.40	50.80	101.60	1	100	100	R6600
LSZH-2000-2-WT-S	White	25.40	48.26	80.40	50.80	101.60	1	50	50	R6600
LSZH-2000-3-WT	White	25.40	48.26	80.40	76.20	101.60	1	100	100	R6600

All the above products also exist as a standard in Yellow - just replace "WT" by "YL".

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## B-7641 PermaSleeve™ LSZH Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves, 2:1 Shrink Ratio



Double-sided Printable Sleeves, 50.80 mm width for BBP™72 Double-sided Sleeve Printer

Order Reference	Colour	Min. Wire Diameter (mm)	Max. Wire Diameter (mm)	Sleeve Height (mm)	Sleeve Width (mm)	Vertical Repeat (mm)	Sleeves per Row	Sleeves per Roll	Total Quantity per pack	Ribbon Series
2LSZH-094-2-WT	White	1.19	2.03	4.60	50.80	12.70	1	2500	2500	R6600
2LSZH-094-2-WT-2	White	1.19	2.03	4.60	25.40	12.70	2	2500	5000	R6600
2LSZH-094-2-WT-3	White	1.19	2.03	4.60	16.94	12.70	3	2500	7500	R6600
2LSZH-094-2-WT-4	White	1.19	2.03	4.60	12.70	12.70	4	2500	10000	R6600
2LSZH-094-2-WT-S	White	1.19	2.03	4.60	50.80	12.70	1	500	500	R6600
2LSZH-125-2-WT	White	1.57	2.79	6.00	50.80	12.70	1	2500	2500	R6600
2LSZH-125-2-WT-2	White	1.57	2.79	6.00	25.40	12.70	2	2500	5000	R6600
2LSZH-125-2-WT-3	White	1.57	2.79	6.00	16.94	12.70	3	2500	7500	R6600
2LSZH-125-2-WT-4	White	1.57	2.79	6.00	12.70	12.70	4	2500	10000	R6600
2LSZH-125-2-WT-S	White	1.57	2.79	6.00	50.80	12.70	1	500	500	R6600
2LSZH-187-2-WT	White	2.39	3.83	8.50	50.80	15.88	1	2500	2500	R6600
2LSZH-187-2-WT-2	White	2.39	3.83	8.50	25.40	15.88	2	2500	5000	R6600
2LSZH-187-2-WT-3	White	2.39	3.83	8.50	16.94	15.88	3	2500	7500	R6600
2LSZH-187-2-WT-4	White	2.39	3.83	8.50	12.70	15.88	4	2500	10000	R6600
2LSZH-187-2-WT-S	White	2.39	3.83	8.50	50.80	15.88	1	500	500	R6600
2LSZH-250-2-WT	White	3.17	5.46	11.15	50.80	19.05	1	2500	2500	R6600
2LSZH-250-2-WT-2	White	3.17	5.46	11.15	25.40	19.05	2	2500	5000	R6600
2LSZH-250-2-WT-3	White	3.17	5.46	11.15	16.94	19.05	3	2500	7500	R6600
2LSZH-250-2-WT-4	White	3.17	5.46	11.15	12.70	19.05	4	2500	10000	R6600
2LSZH-250-2-WT-S	White	3.17	5.46	11.15	50.80	19.05	1	500	500	R6600
2LSZH-375-2-WT	White	4.77	8.13	16.40	50.80	25.40	1	1000	1000	R6600
2LSZH-375-2-WT-2	White	4.77	8.13	16.40	25.40	25.40	2	1000	2000	R6600
2LSZH-375-2-WT-3	White	4.77	8.13	16.40	16.94	25.40	3	1000	3000	R6600
2LSZH-375-2-WT-4	White	4.77	8.13	16.40	12.70	25.40	4	1000	4000	R6600
2LSZH-375-2-WT-S	White	4.77	8.13	16.40	50.80	25.40	1	250	250	R6600
2LSZH-500-2-WT	White	6.35	11.43	21.60	50.80	31.75	1	500	500	R6600
2LSZH-500-2-WT-2	White	6.35	11.43	21.60	25.40	31.75	2	500	1000	R6600
2LSZH-500-2-WT-3	White	6.35	11.43	21.60	16.94	31.75	3	500	1500	R6600
2LSZH-500-2-WT-4	White	6.35	11.43	21.60	12.70	31.75	4	500	2000	R6600
2LSZH-500-2-WT-S	White	6.35	11.43	21.60	50.80	31.75	1	250	250	R6600
2LSZH-750-2-WT	White	9.52	17.78	31.40	50.80	41.28	1	250	250	R6600
2LSZH-750-2-WT-2	White	9.52	17.78	31.40	25.40	41.28	2	250	500	R6600
2LSZH-750-2-WT-3	White	9.52	17.78	31.40	16.94	41.28	3	250	750	R6600
2LSZH-750-2-WT-4	White	9.52	17.78	31.40	12.70	41.28	4	250	1000	R6600
2LSZH-750-2-WT-S	White	9.52	17.78	31.40	50.80	41.28	1	100	100	R6600
2LSZH-1000-2-WT	White	11.43	24.13	42.16	50.80	50.80	1	250	250	R6600
2LSZH-1000-2-WT-2	White	11.43	24.13	42.16	25.40	50.80	2	250	500	R6600
2LSZH-1000-2-WT-3	White	11.43	24.13	42.16	16.94	50.80	3	250	750	R6600
2LSZH-1000-2-WT-4	White	11.43	24.13	42.16	12.70	50.80	4	250	1000	R6600
2LSZH-1000-2-WT-S	White	11.43	24.13	42.16	50.80	50.80	1	100	100	R6600
2LSZH-1500-2-WT	White	19.05	35.56	61.80	50.80	76.20	1	250	250	R6600

All the above products also exist as a standard in Yellow - just replace "WT" by "YL".

### Choosing Your PermaSleeve Colour

While white and yellow standard colour, additional coloured sleeves are available as well. Simply replace "WT" with the abbreviation of the desired colour to order.

Example: LSZH-094-2-WT-S becomes LSZH-094-2-RD-S

-S standard for Small packaging.

### Standard colours:

WT = White

YL = Yellow

### Choosing Your PermaSleeve Pieces (optional)

While 1 or 2 markers per sleeve is standard, you may also choose to have each sleeve slit multiple times to produce multiple pieces. Simply add the desired pieces per marker to the order reference.

Example: LSZH-187-2-WT becomes LSZH-187-2-WT-4

This "4" means that this sleeve is slit into four pieces.



## B-7641 PermaSleeve™ LSZH Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves, 2:1 Shrink Ratio



Single-sided Printable Sleeves for  
BMP™71 Label Printer

Order Reference	Colour	Label Width (mm)	Label Height (mm)	Min. Wire Diameter (mm)	Max. Wire Diameter (mm)	Labels per Cartridge/ Roll	Printer Ribbon
M71-94-1-7641	White	25.78	4.60	1.19	2.03	100	M71-R4300
BM71-94-1-7641	White	25.78	4.60	1.19	2.03	2500	M71-R4300
M71-125-1-7641	White	25.78	6.00	1.57	2.79	100	M71-R4300
BM71-125-1-7641	White	25.78	6.00	1.57	2.79	1000	M71-R4300
M71-187-1-7641	White	25.78	8.50	2.39	3.83	100	M71-R4300
BM71-187-1-7641	White	25.78	8.50	2.39	3.83	1000	M71-R4300
M71-250-1-7641	White	25.78	11.15	3.17	5.46	100	M71-R4300
BM71-250-1-7641	White	25.78	11.15	3.17	5.46	1000	M71-R4300
BM71-375-1-7641	White	25.78	16.38	4.77	8.13	1000	M71-R4300
M71-375-1-7641	White	25.78	16.40	4.77	8.13	100	M71-R4300
M71-500-1-7641	White	25.78	21.60	6.35	11.43	100	M71-R4300
BM71-500-1-7641	White	25.78	21.60	6.35	11.43	600	M71-R4300
M71-750-1-7641	White	25.78	31.40	9.52	17.78	75	M71-R4300
BM71-750-1-7641	White	25.78	31.40	9.52	17.78	600	M71-R4300
M71-94-175-7641	White	44.83	4.60	1.19	2.03	100	M71-R4300
BM71-94-175-7641	White	44.83	4.60	1.19	2.03	2500	M71-R4300
M71-125-175-7641	White	44.83	6.00	1.57	2.79	100	M71-R4300
BM71-125-175-7641	White	44.83	6.00	1.57	2.79	1000	M71-R4300
M71-187-175-7641	White	44.83	8.50	2.39	3.83	100	M71-R4300
BM71-187-175-7641	White	44.83	8.50	2.39	3.83	1000	M71-R4300
M71-250-175-7641	White	44.83	11.15	3.17	5.46	100	M71-R4300
BM71-250-175-7641	White	44.83	11.15	3.17	5.46	1000	M71-R4300
BM71-375-175-7641	White	44.83	16.38	4.77	8.13	1000	M71-R4300
M71-375-175-7641	White	44.83	16.40	4.77	8.13	100	M71-R4300
M71-500-175-7641	White	44.83	21.60	6.35	11.43	100	M71-R4300
BM71-500-175-7641	White	44.83	21.60	6.35	11.43	600	M71-R4300
M71-750-175-7641	White	44.83	31.40	9.52	17.78	75	M71-R4300
BM71-750-175-7641	White	44.83	31.40	9.52	17.78	600	M71-R4300

All the above products also exist as a standard in Yellow - just add "Y" at the end.

**i** Order references beginning with "B" indicate bulk rolls

## B-7641 PermaSleeve™ LSZH Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves, 2:1 Shrink Ratio



Single-sided Printable Sleeves for  
BMP™51/53 Label Printer

Order Reference	Colour	Min. Wire Diameter (mm)	Max. Wire Diameter (mm)	Sleeve Height (mm)	Sleeve Width (mm)	Size - Length (m)	Total Quantity per pack
M-125-1-7641	Black on White	1.17	2.79	6.00	25.78	—	80
M-125-1-7641Y	Black on Yellow	1.17	2.79	6.00	25.78	—	80
MC-125-7641	Black on White	1.17	2.79	6.00	—	2.13	1
MC-125-7641-YL	Black on Yellow	1.17	2.79	6.00	—	2.13	1
M-187-1-7641	Black on White	1.57	3.81	8.50	25.78	—	80
M-187-1-7641Y	Black on Yellow	1.57	3.81	8.50	25.78	—	80
MC-187-7641	Black on White	1.57	3.81	8.50	—	2.13	1
MC-187-7641-YL	Black on Yellow	1.57	3.81	8.50	—	2.13	1
M-250-1-7641	Black on White	2.39	5.46	11.15	25.78	—	80
M-250-1-7641Y	Black on Yellow	2.39	5.46	11.15	25.78	—	80
MC-250-7641	Black on White	2.39	5.46	11.15	—	2.13	1
MC-250-7641-YL	Black on Yellow	2.39	5.46	11.15	—	2.13	1
M-375-1-7641	Black on White	3.18	8.13	16.40	25.78	—	80
M-375-1-7641Y	Black on Yellow	3.18	8.13	16.40	25.78	—	80
MC-375-7641	Black on White	3.18	8.13	16.40	—	2.13	1
MC-375-7641-YL	Black on Yellow	3.18	8.13	16.40	—	2.13	1



## How to Select a Marker Size

Brady offers a variety of marker sizes for your wire marking needs. Please view the chart listed below to assist you in choosing the minimum recommended flattened sleeve height for the wire or cable that you are identifying.

Sleeve code	Min. Wire/Cable Diameter (mm)	Max. Wire/Cable Diameter (mm)	Flattened Sleeve Height (mm)
094	1.19	2.03	4.60
125	1.57	2.79	6.00
187	2.39	3.83	8.50
250	3.17	5.46	11.15
375	4.77	8.13	16.40
500	6.35	11.43	21.60
750	9.52	17.78	31.40
1000	11.43	24.13	42.16
1500	19.05	35.56	61.80
2000	25.40	48.26	80.40

## PermaSleeve™ Heat Shrinkable Wire Marking Sleeves are also available in other materials

Use the following table to help determine which PermaSleeve™ Heat-Shrinkable Wire Marking Sleeves are right for your application.

Then visit [www.bradyeurope.com](http://www.bradyeurope.com) for more information and all available sleeves.



Material	Product Category	Product Name Prefix	Available Colours*	Liner Platform	Shrink Ratio	Performance Attributes
B-342 PermaSleeve™ Polyolefin Wire Marking Sleeves	Industrial/Military Grade	PS: Single-Sided 3PS: Double-Sided Example: 3PS-187-2-WT	Black, Blue, Brown, Green, Gray, Orange, Pink, Red, Violet, White, Yellow	Durable Paper Cardstock Liner	3:1	
B-345 PermaSleeve™ PVDF High Temperature Wire Marking Sleeves	High-Temperature	2HT: Double-Sided Example: 2HT-187-2-WT-S	Black, Blue, Pink, White, Yellow	Durable Paper Cardstock Liner	2:1 (3:1 for 3/32")	
B-7641 PermaSleeve™ LSZH Low Smoke Zero Halogen Polyolefin Wire Marking Sleeves	Low Smoke Zero Halogen	LSZH: Single-Sided 2LSZH: Double-Sided Example: 2LSZH-187-2-WT	White, Yellow	Durable Paper Cardstock Liner	2:1	
B-7642 PermaSleeve™ HX Self-Extinguishing Polyolefin Wire Marking Sleeves	Industrial/Military Grade	HX: Single-Sided 2HX: Double-Sided Example: 2HX-187-2-WT	Black, Blue, Brown, Green, Gray, Orange, Pink, Red, Violet, White, Yellow	Durable Paper Cardstock Liner	2:1	
B-7646 PermaSleeve™ Diesel Resistant Polyolefin Wire Marking Sleeves	Industrial/Military Grade	3:1DPS: Double-Sided 3DPS: Double-Sided Example: 3DPS-4.8x50mm-B7646YL	Yellow	Durable Paper Cardstock Liner	3:1	-

\*Some colours available only as special order



WHEN PERFORMANCE MATTERS MOST™

### Brady EMEA

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### Your Brady Distributor