

TLS 2200® / TLS PC Link™ Materials Chart

TLS 2200 / TLS PC LINK MATERIALS CHART PORTABLE PRINTERS AND LABELS

| Type | Max. Service Temp. °F (°C) | Color | Finish | Use | Special Properties |
|---------------------------------------|----------------------------|-------------------------|------------|---|--|
| NYLON CLOTH | | | | | |
| B-499 | 194 (90) 30 days | White | Matte | Low profile through-conduit wire marking, component and general labeling | High adhesion makes all-purpose wire marker ideal for environments where heat, oil and dirt are present   HF |
| PAPER | | | | | |
| B-424 | 122 (50) 30 days | White | Matte | Bar code and general labeling | Good contrast and smear resistance |
| POLYESTER | | | | | |
| B-422 | 212 (100) 30 days | White | Gloss | Electronic PCB ID and component, bar code label and rating plate, outlet and patch panel identification | 2 mil adhesive recommended for application on textured surfaces   |
| B-423 | 248 (120) 30 days | White | Gloss | Electronic PCB ID and component, bar code label, rating plates and outlets |   HF  |
| B-428 | 176 (80) 30 days | Silver | Matte | Rating plates; electronic component marking |   HF  |
| B-430 | 212 (100) 30 days | Clear | Gloss | General labeling rating/name plates, outlet and general communications | High adhesion make it ideal for highly textured and other surfaces that are difficult to adhere to; Translucent   |
| B-432 | 212 (100) 30 days | Clear | Gloss | General labeling rating/name plates, outlet and general communications | Clear glossy polyester for highly textured and hard to adhere to surfaces.   |
| B-433 | 212 (100) 30 days | White | Gloss | Electronic component marking, bar code and general purpose labeling | Good solvent and heat resistance; label can be easily removed  |
| B-435 | 194 (90) 30 days | Silver | Gloss | Rating plates and general labeling | Designed to withstand solvents while maintaining excellent image quality    |
| B-459 | 212 (100) 30 days | White | Matte | Electronic PCB ID and component; bar code labeling and rating plates |   |
| B-461 | 212 (100) 30 days | White | Matte | Self-laminating marker | Excellent abrasion and smudge resistance HF |
| B-473 | 248 (120) 30 days | White | Gloss | Electronic PCB ID and component; bar code labeling and rating plates | Static dissipative adhesive and liner    |
| B-483 | 248 (120) 30 days | White | Gloss | General labeling; bar code label and rating plates | Ultra-aggressive adhesive for thermal transfer printing, designed for powder coated surfaces   |
| B-486 | 248 (120) 30 days | Silver | Matte | General labeling; bar code labeling and rating plates | Ultra-aggressive adhesive for oily, greasy, and powder coated surfaces   |
| B-488 | 320 (160) 30 days | White | Matte | Electronic PCB and component; bar code label and rating plates | High performance matte white |
| B-489 | 248 (120) 30 days | White | Matte | General labeling; bar code labeling and rating plates | Ultra-aggressive adhesive for oily, greasy, and powder coated surfaces; UL/CSA approval pending   |
| B-7546 | 175 (80) 30 days | White | Gloss | Tamper-evident labels | Leaves "void" footprint when removed   |
| B-7566 | 175 (80) 30 days | Clear | Gloss | Tamper-evident labels | Leaves "void" footprint when removed   |
| B-7576 | 212 (100) 30 days | Silver | Matte | Tamper-evident labels | Leaves "void" footprint when removed   |
| POLYETHYLENE | | | | | |
| B-109 | 120 (49) 30 days | White | Matte | Multi-purpose identification tag, where durability is required | Cross-laminated polyethylene provides extreme tear resistance and excellent cold-weather performance HF |
| B-145 | — | Gray | Matte | Power and ground labels | Tear-resistant 2-sided printable tag |
| POLYIMIDE | | | | | |
| B-426 | 662 (350) 80 sec. | Amber | Matte | Underside PCB ID and other high temperature, high performance applications | Withstands extremely high temperatures |
| B-457 | 662 (350) 80 sec. | White | Gloss | Top- or bottom-side board application for SMT or Through hole | Good contrast and smear resistance  |
| B-477 | 662 (350) 80 sec. | White | Gloss | Top- or bottom-side board application for SMT or Through hole | Static dissipative adhesive and liner   |
| B-478 | 662 (350) 80 sec. | White | Gloss | 1 mil low profile top- or bottom-side board application for SMT or Through hole | Static dissipative adhesive and liner   |
| B-479 | 662 (350) 80 sec. | White | Matte | 1 mil low profile top- or bottom-side board application for SMT or Through hole | Static dissipative adhesive and liner   |
| POLYOLEFIN | | | | | |
| B-321 | 221 (105) 30 days | White | Matte | Wire marking | Heat-shrinkable |
| B-342 | 267 (130) 30 days | White/Yellow | Matte | Wire marking | 3-to-1 shrink ratio; self-extinguishing, meets the material and physical property of MIL-DTL-23053/5 Class 1, MIL-M-81531, MIL-STD-202F, Method 215 and UL 224 |
| POLYPROPYLENE | | | | | |
| B-412 | 212 (100) 30 days | White | Matte | Wire, cable and product inventory information | Designed for outdoor and harsh environmental applications or where tensile strength is needed HF |
| B-8425 | 194 (90) 30 days | White | Gloss | Wire marking, fiber optic marking, and general labeling | Good solvent resistance and print permanence   |
| POLYETHYLENE NAPHTHALATE (PEN) | | | | | |
| B-495 | 464 (240) 5 min. | White | Gloss | Top- or bottom-side board application for SMT or Top Side for Through hole | Good contrast and smear resistance  |
| TEDLAR® | | | | | |
| B-437 | 275 (135) 30 days | White/Yellow | Matte | Aerospace and military cable marking | Self-extinguishing |
| B-642 | 266 (130) 30 days | White | Matte | Self-laminating; wire and cable marking | Self-extinguishing, low smoke and flame spread; Excellent abrasion and smudge resistance |
| VINYL | | | | | |
| B-351 | 176 (80) 30 days | White | Matte | Tamper-resistant labels | Designed to fracture easily |
| B-352 | 176 (80) 30 days | Silver | Matte | Tamper-resistant labels | Designed to fracture easily |
| B-427 | 158 (70) 30 days | White | Matte | Self-laminating wire and cable marking | Excellent abrasion and smudge resistance  |
| B-439 | 104 (40) 30 days | White/Yellow/Orange/Red | Matte | Pathway, racks, voltage markers, wire bundle, rating plates and general labeling | Various colors available |
| VINYL CLOTH | | | | | |
| B-498 | 175 (80) 30 days | White | Semi-Gloss | Wire and electronic component marking | Repositionable adhesive  |

Tedlar® is a registered trademark of DuPont.



These materials have static dissipative adhesives.



*These materials are UL recognized.



*These materials are CSA approved.



*These materials are AGA approved.

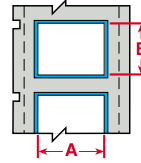
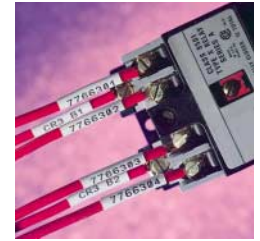


Halogen-Free (DIN VDE 0472/parts 815)

*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.

TLS 2200® / TLS PC Link™ Wire and Cable Marking

TLS 2200 / TLS PC LINK WIRE AND CABLE MARKING PORTABLE PRINTERS AND LABELS



▶ PERMASLEEVE™ WIRE MARKING SLEEVES

Heat-Shrinkable White Polyolefin (B-342)

| Part Number | Sleeves Per Roll | Sleeve Dimensions | | Range of Wire Dia. | | Approx. Wire Gauge* | Maximum Characters Per Line For Font: 2 | Maximum Lines Of Text For Font: 2 |
|--------------------------------|------------------|-------------------|---------------|--------------------|---------------|---------------------|---|-----------------------------------|
| | | A Inch (mm) | B Inch (mm) | Inch (mm) Min | Inch (mm) Max | | | |
| 1.015" Marker Width | | | | | | | | |
| WHITE 3:1 SHRINK RATIO | | | | | | | | |
| PSPT-094-1-WT | 100 | 1.015 (25.78) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 22 | 1 |
| BPSPT-094-1-WT | 2500 | 1.015 (25.78) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 22 | 1 |
| PSPT-125-1-WT | 100 | 1.015 (25.78) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 22 | 1 |
| BPSPT-125-1-WT | 1000 | 1.015 (25.78) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 22 | 1 |
| PSPT-187-1-WT | 100 | 1.015 (25.78) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 22 | 2 |
| BPSPT-187-1-WT | 1000 | 1.015 (25.78) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 22 | 2 |
| PSPT-250-1-WT | 100 | 1.015 (25.78) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 22 | 3 |
| BPSPT-250-1-WT | 1000 | 1.015 (25.78) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 22 | 3 |
| PSPT-375-1-WT | 100 | 1.015 (25.78) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 22 | 5 |
| BPSPT-375-1-WT | 1000 | 1.015 (25.78) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 9 | 5 |
| PSPT-500-1-WT | 100 | 1.015 (25.78) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 22 | 7 |
| BPSPT-500-1-WT | 100 | 1.015 (25.78) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 22 | 7 |
| PSPT-1000-1-WT | 50 | 1.015 (25.78) | 1.660 (42.16) | 0.450 (11.43) | 0.950 (24.13) | 1-500 | 22 | 16 |
| YELLOW 3:1 SHRINK RATIO | | | | | | | | |
| PSPT-094-1-YL | 100 | 1.015 (25.78) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 22 | 1 |
| PSPT-125-1-YL | 100 | 1.015 (25.78) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 22 | 1 |
| PSPT-187-1-YL | 100 | 1.015 (25.78) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 22 | 2 |
| PSPT-250-1-YL | 100 | 1.015 (25.78) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 22 | 3 |
| PSPT-375-1-YL | 100 | 1.015 (25.78) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 22 | 5 |
| PSPT-500-1-YL | 100 | 1.015 (25.78) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 22 | 7 |
| PSPT-1000-1-YL | 50 | 1.015 (25.78) | 1.660 (42.16) | 0.450 (11.43) | 0.950 (24.13) | 1-500 | 22 | 16 |

1.765" Marker Width

| | | | | | | | | |
|--------------------------------|------|---------------|---------------|---------------|---------------|-------|----|----|
| WHITE 3:1 SHRINK RATIO | | | | | | | | |
| PSPT-094-175-WT | 100 | 1.765 (44.83) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 41 | 1 |
| BPSPT-094-175-WT | 2500 | 1.765 (44.83) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 41 | 1 |
| PSPT-125-175-WT | 100 | 1.765 (44.83) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 41 | 1 |
| BPSPT-125-175-WT | 1000 | 1.765 (44.83) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 41 | 1 |
| PSPT-187-175-WT | 100 | 1.765 (44.83) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 41 | 3 |
| BPSPT-187-175-WT | 1000 | 1.765 (44.83) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 41 | 3 |
| PSPT-250-175-WT | 100 | 1.765 (44.83) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 41 | 3 |
| BPSPT-250-175-WT | 1000 | 1.765 (44.83) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 41 | 3 |
| PSPT-375-175-WT | 100 | 1.765 (44.83) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 41 | 5 |
| BPSPT-375-175-WT | 1000 | 1.765 (44.83) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 41 | 5 |
| PSPT-500-175-WT | 100 | 1.765 (44.83) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 41 | 7 |
| BPSPT-500-175-WT | 1000 | 1.765 (44.83) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 41 | 7 |
| PSPT-1000-175-WT | 50 | 1.765 (44.83) | 1.660 (42.16) | 0.450 (11.43) | 0.950 (24.13) | 1-500 | 41 | 16 |
| BPSPT-1000-175-WT | 500 | 1.765 (44.83) | 1.660 (42.16) | 0.450 (11.43) | 0.950 (24.13) | 1-500 | 41 | 16 |
| YELLOW 3:1 SHRINK RATIO | | | | | | | | |
| PSPT-094-175-YL | 100 | 1.765 (44.83) | 0.182 (4.62) | 0.023 (0.58) | 0.080 (2.03) | 28-18 | 41 | 1 |
| PSPT-125-175-YL | 100 | 1.765 (44.83) | 0.235 (5.96) | 0.046 (1.17) | 0.110 (2.79) | 22-16 | 41 | 1 |
| PSPT-187-175-YL | 100 | 1.765 (44.83) | 0.335 (8.50) | 0.062 (1.57) | 0.150 (3.81) | 18-12 | 41 | 3 |
| PSPT-250-175-YL | 100 | 1.765 (44.83) | 0.439 (11.15) | 0.094 (2.39) | 0.215 (5.46) | 16-10 | 41 | 3 |
| PSPT-375-175-YL | 100 | 1.765 (44.83) | 0.645 (16.38) | 0.125 (3.18) | 0.320 (8.13) | 12-6 | 41 | 5 |
| PSPT-500-175-YL | 100 | 1.765 (44.83) | 0.851 (21.61) | 0.187 (4.75) | 0.450 (11.43) | 8-1 | 41 | 7 |
| PSPT-1000-175-YL | 50 | 1.765 (44.83) | 1.660 (42.16) | 0.450 (11.43) | 0.950 (24.13) | 1-500 | 41 | 16 |

* Based on National Electric Code insulation measurement of THHN Wire.

Note: Labels are sorted in order by width, height, 3 digit material number (within part number), then die number (within part number).

▶ DURASLEEVE® WIRE MARKER SLEEVES

DuraSleeve White Polypropylene Inserts (B-390)

| Part Number | Sleeves Per Roll | Sleeve Dimensions | |
|--------------|------------------|-------------------|------------------|
| | | Inch Width (mm) | Inch Height (mm) |
| PTDS-15-390 | 300 | 0.590 (15.00) | 0.163 (4.14) |
| PTDS-30-390 | 300 | 1.181 (30.00) | 0.163 (4.14) |
| BPTDS-15-390 | 3000 | 0.590 (15.00) | 0.163 (4.14) |
| BPTDS-30-390 | 3000 | 1.181 (30.00) | 0.163 (4.14) |

Master Materials Chart

| Brady Material # | Material | Color | Temp. Range | Print Technology | Properties & Applications |
|------------------|---|-----------------|------------------------------------|---|--|
| B-184 | Aluminum Foil | Silver | -40°F to 266°F (-40°C to 130°C) | Pre-Printed | Dead soft aluminum foil with good conformability. Permanent debossing when marked. Resistant to heat, oil and solvents. Abrasion-resistant. Environments containing heat, oil or solvents; abrasive environments. Excellent for motor vehicles and outdoor wiring. |
| B-292 | Vinyl | Clear/White | -40°F to 150°F (-40°C to 66°C) | Dot Matrix ID PRO® Plus LS2000 | Good conformability, durability. Self-extinguishing; write-on surface. Resistant to oil, water, solvents. Environments containing oil, water or solvents. On-the-job marking. Excellent for machine tool and underground wiring. Outstanding flat ribbon cable marker.  |
| B-302 | Polyester | White | -40°F to 230°F (-40°C to 110°C) | Pre-Printed | Surface printed white polyester with clear polyester overlamine. |
| B-319 | Polyolefin | White | -40°F to 221°F (-40°C to 105°C) | Dot Matrix ID PRO Plus LS2000 | Good legend permanence and smudge resistance. Applications requiring sleeve markers, computer-printable. Non heat-shrinkable. |
| B-321 | Polyolefin | White | -65°F to 221°F (-54°C to 105°C) | Dot Matrix ID PRO Plus LS2000 | Heat-shrinkable; excellent resistance to oil and solvents. Ink-receptive coating provides permanent legibility. Applications requiring sleeve markers, computer-printable. |
| B-322 | Polyolefin | White or Yellow | -40°F to 221°F (-40°C to 105°C) | Dot Matrix ID PRO Plus LS2000 | Heat-shrinkable; self-extinguishing, permanent legibility. Applications requiring self-extinguishing sleeve markers, computer-printable. Aerospace and military wire marking. Meets MIL-S-85848. |
| B-325 | PVC Polyvinyl-chloride | Yellow | -40°F to 212°F (-40°C to 100°C) | Pre-Printed Omni-Grip® | Pre-printed full circle polyvinylchloride sleeves. |
| B-330 | Polyolefin | White or Yellow | -40°F to 248°F (-40°C to 120°C) | Dot Matrix | Heat-shrinkable polyolefin film with a computer-printable topcoat and a heat-activating adhesive. Identification of wire bundles, large conduits and installed cables. |
| B-341 | Polyolefin | White or Yellow | -67°F to 275°F (-55°C to 135°C) | Dot Matrix Thermal Transfer | 2-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (Class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL224. |
| B-342 | Polyolefin | White | -67°F to 275°F (-55°C to 135°C) | Dot Matrix Thermal Transfer ID PRO Plus LS2000, TLS2200® | 3-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL 224 |
| B-350 | Polyester/Paper Laminate | White | -94°F to 194°F (-70°C to 90°C) | Pre-Printed Thermal Transfer | Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair). |
| B-351 | Vinyl | White | -40°F to 212°F (-40°C to 100°C) | Thermal Transfer | Tamper-resistant film with a permanent acrylic adhesive. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal. |
| B-352 | Metallized Vinyl | Silver | -40°F to 212°F (-40°C to 100°C) | Thermal Transfer | Tamper-resistant metallized film. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal.  |
| B-354 | Water-Indicating Polyester/Paper Laminate | Gloss White | -94°F to 194°F (-70°C to 90°C) | Thermal Transfer | Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair). Standard color change is white to blue. For special high volume applications, available in custom indicating colors and/or designs  |
| B-358 | Acetate | Gloss Clear | -40°F to 175°F (-40°C to 80°C) | Thermal Transfer | Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures. |
| B-359 | Acetate | Gloss White | -40°F to 175°F (-40°C to 80°C) | Thermal Transfer | Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures. |
| B-361 | Polyester | Clear/White | -94°F to 230°F (-70°C to 110°C) | Laser | Flexible, clear and conformable. Permanent adhesion within 24 hours. Self-laminating wire, cable and vial markers used in power plants and laboratories. Low halogen and sulfur content. |
| B-389 | Polypropylene | White | -40°F to 221°F (-40°C to 100°C) | Dot Matrix | Printable rigid inserts designed to be affixed to a wire. |

 *These materials are UL recognized.

*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.