



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HLW Marker Hook and Loop Wrap Ties

- Safe choice for network cable bundling
- Re-usable multiple times; use where frequent moves, adds, and changes are anticipated

- Black tie contains a white rectangular "write-on" area where users can write a message using Panduit permanent marking pens on page B2.28
- Minimum 2" overlap required to achieve loop tensile rating



Part Number	Max. Bundle Diameter In. (mm)	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Marker Write-on Area In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Std. Pkg. Qty.	Std. Ctn. Qty.
HLWM1.5S-X0	1.5 (38)	6.0 (152)	0.790 (20.1)	0.17 (4.3)	2.5 x 0.50 63.5 x 12.7	50 (222)	10	100
HLWM3S-X0	3.2 (81)	12.0 (305)	0.790 (20.1)	0.17 (4.3)	2.5 x 0.50 63.5 x 12.7	50 (222)	10	100

Elastomeric Cable Ties – ERT



- Elastic material provides a flexible tie body that safely contours around cable bundle to prevent over-tensioning of data cables to maintain network integrity
- UL 94V-0 material provides greater flame resistance and meets stringent telecommunication flammability requirements (i.e. NEBS GR-63-CORE)
- Greater resistance to damage caused by ultraviolet light – indoor or outdoor use
- Soft material has no sharp edges to protect the installer and cable bundle for improved jobsite safety and reliability

- The high coefficient of friction material provides a tight grip and prevents lateral movement along cable bundle, minimizing overall installation time and potential re-work
- Releasable design allows release and re-use to accommodate frequent moves, adds, and changes to support evolving equipment and cabling needs
- Halogen-free, non-toxic and environmentally safe material will not release toxic or corrosive gases upon combustion
- Locking head design; the tapered tip tail threads into locking head to speed productivity; industry-accepted, intuitive tie design



Part Number	Color	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Head Height In. (mm)	Head Width In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Std. Pkg. Qty.	Std. Ctn. Qty.
ERT2M-C20	Black	8.5 (216)	0.500 (12.70)	0.090 (2.29)	.323 (8.20)	.841 (21.36)	18 (80)	100	1000
ERT3M-C20	Black	11.0 (279)						100	1000
ERT4.5M-C20	Black	16.0 (406)						100	1000

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

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