Mille-Tie™

Standard

www.millepede.com

The award-winning Mille-Tie is the ideal cable management accessory for all CAT6 and fibre systems. With a wide array of features, no other tie strip is as safe or as versatile.

Intelligent Grip System

Mille-Ties help reduce possible cable compression because excessive fitting forces cause the ties to stretch and ultimately release when the pressure become too great.

Mille-Ties also flex around cables to avoid pinching, and are made from special soft polymers that leave no sharp edges when cut.

- 305mm cable management strip (33 cells).
- Optimised for CAT6 and fibre optic use.
- Removable and reusable.
- Unique, versatile design.
- Reduces waste.
- Speeds installation.
- Fits wide size range
- LSOH and UL1565 (Plenum) available.
- Approved by leading datacoms companies.

Mille-Tie is a quick-fit fastener for primary use in data cabling installations.

The 305mm long strips are made from high-grade polyurethane which imparts both strength and flexibility to the product, making Mille-Ties ideal for gently securing delicate cables.

The revolutionary design makes full use of this inherent softness by incorporating a pressure-sensitive latch. This is preset to slip if too much force is applied, and thereby helps prevent the type of cable compression that can lead to reduced performance from the system.

This is known as the “intelligent grip” system, and is a cabling safety feature unique to the Mille-Tie.

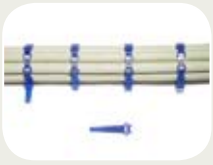
Additionally, the Mille-Tie strip is based on a remarkable design that allows each tie to be used several times - so no more wasted cable tie ends!

Or alternatively, why not form Mille-Tie into a series of loops to bind multiple cable bundles, or why not re-thread it, and leave it ready for later “quick-release”?

This patented concept makes an extremely versatile tool that can dramatically improve an engineer’s ability to quickly and safely install cable systems. And to confirm the Mille-Tie as the ultimate cable management solution, it’s also available in both Low Smoke Zero Halogen and Plenum (UL1565) varieties.

Product Code	EAN Code	Description	Pack Size	Packs per Outer Case
STMT-BK100-40	818857002005	Black (UV) 12”	100	40
STMT-GR100-40	818857003002	Dark Green 12”	100	40
STMT-GY100-40	818857007000	Grey 12”	100	40
STMT-RD100-PL-40	818857005006	Red 12”	100	40

Reduce Waste.
Every Mille-Tie strip consists of 33 cells, any of which can be used for forming loops. By working forwards from the rear, each Mille-Tie strip can yield 3 or 4 ties with little or no waste.



Multiple Binding.
Alternatively, just loop the Mille-Tie around the next bundle. This technique lets you space and segregate cables for easier identification & maintenance.

Quick Releasable.
Mille-Tie can also be re-threaded to release the strip. Simply reinsert the tongue and pull the residual strip back through. Mille-Tie can also be left primed for quick-release by pulling only part-way.

Spirals.
The soft & flexible nature of Mille-Tie allows for some creative cable management, and long bundles can easily be contained by winding the Mille-Tie around them. (Tip: join strips together for longer runs.)

Grip Vertical Cables.
Unlike cable ties or hook & loop straps, the Mille-Tie provides the optimum level of grip - not too tight, and not too loose.

No Sharp Edges.
By using only soft, performance polymers, Mille-Ties are far safer than the traditional hard nylon cable tie. Mille-Ties are easy to cut for reuse, and leave behind no dangerous sharp edges like cables ties can.

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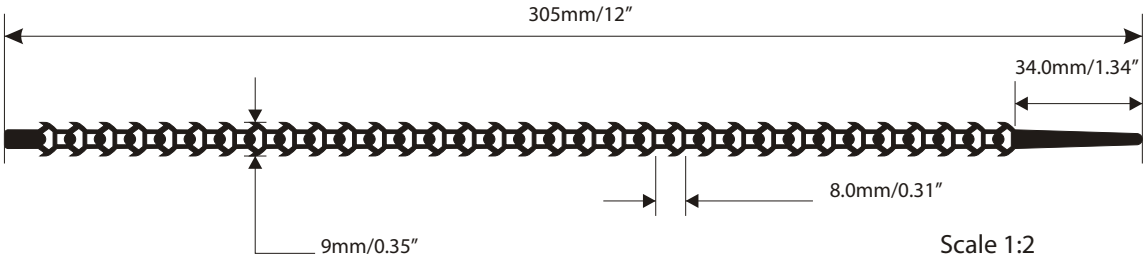
Standard Mille-Tie Technical Specification



Physical Properties:

Nominal Moulded Length:	305mm (12”)
Width:	9.0mm (0.35”)
Thickness:	1.3mm (0.05”)
Apertures:	33 (1 per 8mm (0.35”) apx.)
Maximum Bundle Size (basic strip):	> 75mm (3”) diameter
Maximum Bundle Size (when stretched before use):	> 110mm (4.5”) diameter
Minimum Bundle Size:	< 5mm (0.2”) diameter
Uses Per Strip @ 10mm (0.4”) Diameter:	6 approx
Standard Colours Available:	Red (Plenum), Black (UV), Uncoloured/Natural (LSOH), Green, Grey

Material Properties:

Material:	Thermoplastic Polyurethane Elastomer
Density:	1220Kg/m^3
Tensile and Tear Strength:	High
Abrasion Resistance:	Excellent
Elasticity and Resilience:	High
Resistance to Fuels and Oils:	Excellent

Mechanical Properties:

Flexural Modulus:	124.1MPa (180,000 PSI)
Taper Abrasion H-18 Wheel, 1000g (1.1lb) Load:	50mg (1/560 Oz) Loss [1000 cycles]
Material Tensile Strength:	4.14MPa (6,000 PSI)
Maximum Mille-Tie Loop Strength:	>10kg (22lb) [Using a secure latch]

Thermal Properties:

Low Temperature Brittle Point:	<-68°C (-90°F)
Deflection Temperature Under Load:	59°C (139°F) [4.55kPa (66 PSI)]
Recommended Service Temperature Range [no load]:	-20°C to +60°C (-4°F to 140°F)
Short Temp Peak Temperature Range [no load]:	-30°C to +80°C (-22°F to 176°F)
Vicat Softening Temperature:	Rate A, 168°C (334°F)
Flammability UL94 Flame Class:	1.5mm (0.06”) Thickness, Class HB

Flame & UV Properties:

UV Properties [Black or UV resistant coloured]:	Very Good
UV Properties [Natural coloured]:	Some loss of physical properties & yellowing may occur under conditions of prolonged exposure.

Low Smoke Zero Halogen Version:

Low Smoke:	BS 6853 : 1999 Apx D Clause D 8.3 (Smoke)
Zero Halogen:	IEC 754-1: 1994

Air Handling Spaces (PLENUM) Version:

“For Positioning Only, Indoors only, Suitable for use in Air Handling Spaces in accordance with Section 300-22 (C) and (D) of the National Electric Code, and Rules 12-010 (3), (4), and (5), and 12-020 of the Canadian Electric Code, Part 1, File E230261”

USA Meets:	Section 300.22 (C) and (D) of the National Electric Code
Canada Meets:	Rules 12-010 (3), (4) and (5) , and 12-020, Part 1, Canadian Electrical Code

*Specification subject to change without notice