

TuffNut™ Cables

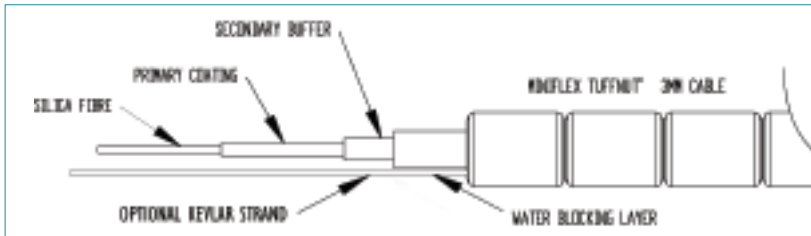
Miniflex TuffNut™ Cables are ideal for applications requiring performance, durability and protection. The crush resisting, bend-limiting features are an inherent characteristic of Miniflex sheathing technology, protecting the fibre from micro or macro-bending and damage resulting from the rigours of daily use.

The Miniflex manufacturing technology enables the use of hard plastic materials that exhibit high tensile and high compressive strengths that are unique in the field of cable design. This approach is particularly beneficial for the provision of bend insensitive fibre cables that utilise standard single or multi-mode fibres. It also provides a light weight, cost effective cable that does not demand the use of additional high strength filaments. Our ruggedised TuffNut™ Cables are designed to provide durable, high performance optical solutions for advanced fibre optic assemblies. Miniflex offers a number of ruggedised products in multiple materials, sizes, lengths and colours.

The Miniflex range of TuffNut™ cables can also be supplied prior to termination; for connectorization in the field. These products are called Miniflex TuffNut™ Cable Assemblies and are available in a range of sizes and colours, with a comprehensive list of fibre arrangements and types. Please contact your Miniflex representative for more details.

Application

Miniflex TuffNut™ Cables are suitable for a wide variety of applications. By virtue of their unique protective features, they provide a more reliable solution and can survive in tougher environments than conventional small fibre cables.



Features & Benefits

Features

- Hard plastic sheath, bend-limiting profile, smooth inner lining
- Material choices for UV stability, fire retardancy, zero halogen
- Unique bend-limiting modulus
- Range of colours
- Fibre package to suit all requirements
- High tensile and high compressive strengths
- Low surface friction and resistance to buckling
- The TuffNut™ jumper cable is five times more resistant to crushing than conventional patch cord

Benefits

- Multi directional flexing of the cable while providing maximum protection against crushing, kinking and excess bending
- Unique bend-limiting modulus provides 'flexible rigidity' that enables TuffNut™ Cables to be pushed easily through long complex micro-duct pathways
- Available in many colours providing a quick and easy way to distinguish between circuits and routed services
- Utilises standard single or multi-mode fibres
- Option of additional high strength filaments
- Facilitates simple high speed installation and eliminates the risk of high tensile loads occasioned when pulling cables through ducting and conduits

Ordering Information

Please contact Miniflex with your particular requirements so that we can provide you with the appropriate cable.



Key Data

Dimensions (mm):

- Material: PBT UL94 V0
PA12 UL94 V2 LSZH
- Colour: Black, Ivory, or custom colours to special order
- OFPT retention: > 100 N

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OPTICAL FIBRE PROTECTION SYSTEMS