

Fibre Protection Tubing



Applications

- FTTh/FTTx - Outdoor
- FTTh/FTTx - Indoor
- Data Infrastructure
- Telecoms
- Transport - Automotive
- Transport - Aerospace

Miniflex™ Protection Tube

Miniflex™ Protection Tube is a flexible tube made from tough polymers to protect optical fibres or lightweight optical fibre units.

We make hard plastic flexible through our patented grooved design and process. Miniflex™ Protection Tube has exceptionally low weight for the level of strength and protection it provides and it is the only flexible, durable polymer protective jacket in the industry.

Advantages

- Tough
- Lightweight - as little as 5g/m
- Compact - small diameter down to 3mm
- Flexible - grooving allows tough polymer to be flexible
- Anti-kink property
- Very high crush resistance - upto 1400N
- Slit version - suitable for retro-fitting over installed fibre
- Small bend radius - down to 5x OD

Compatibility List

Miniflex™ Protection Tube is compatible with:

- All normal fibre termination methods (e.g. SC/LC/MTP/E2000)
- Standard tube/microduct push-fit connectors
- Electrical cable style installation - staples or cable clips
- All industry standard fibre, bend insensitive fibre and small - diameter cable

Material Applications

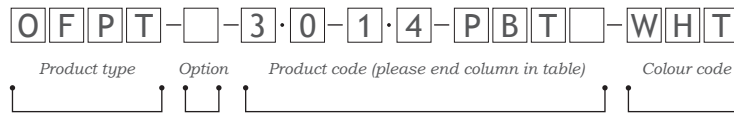
Material	Property	Best for...	Colour
PBT	Hardest & toughest outdoor material, some UV resistance	All general applications	BLK, WHT
PA12	(Nylon) Hardest & toughest indoor material, European LSZH	Frequently accessed ODFs needing extra protection	WHT
MDPE	Standard cable jacket material	Aerial	BLK
HDPE	Harder & denser than MDPE	Direct bury	ORG
PVDF	Used for indoor & outdoor applications. Meets US fire ratings (OFNR)	Indoor use especially building risers	WHT
PP	Basic most cost effective grade	Protecting fibre in cabinets	ALL
PEMX	Specialised LSZH & riser material	Indoor use especially building risers	WHT, BLK

Specifications

- ISO9001 Production, REACH, ROHS, Certificate of Origin

Fibre Protection Tubing

Enquiry Information: Code Builder



Product Type

OFPT = Optical Fibre Protection Tube

Option

S = Slit

Unique Product Code

e.g. 3.0-1.4-PBT
(end column)

Colour Code

(check availability)

AQU = Aqua

WHT = White

BLK = Black

CLR = Clear

RED = Red

BLU = Blue

YEL = Yellow

GRN = Green

ORG = Orange

Miniflex™ Protection Tube Product List

Material	OD	ID	Crush	Tension	Nominal Weight	Bend Radius	Bend Radius	Install Temp	Product Code
	(mm)	(mm)	(N)	(N)	(kg/km)	(Passive)	(Active)	(Celsius)	
PBT	3.0	1.4	950	140	8.1	10x OD	5x OD	-10 to +60	3.0-1.4-PBT
	4.0	2.6	650	130	11	10x OD	5x OD	-10 to +60	4.0-2.6-PBT
	5.0	3.1	1400	280	13.6	10x OD	5x OD	-10 to +60	5.0-3.1-PBT
	6.35	4.2	1000	130	19.4	10x OD	5x OD	-10 to +60	6.3-4.2-PBT
PA12	3.0	1.4	650	100	7.5	10x OD	5x OD	-10 to +60	3.0-1.4-PBT
	4.0	2.6	550	100	7.7	10x OD	5x OD	-10 to +60	4.0-2.6-PBT
	5.0	3.1	1000	150	11.0	10x OD	5x OD	-10 to +60	5.0-3.1-PBT
	6.35	4.2	1000	150	20	10x OD	5x OD	-10 to +60	6.3-4.2-PBT
PP	3.0	1.4	500	80	4.5	10x OD	5x OD	-10 to +60	3.0-1.4-PBT
	4.0	2.6	550	100	6.5	10x OD	5x OD	-10 to +60	3.0-2.4-PBT
	5.0	3.1	800	100	10.0	10x OD	5x OD	-10 to +60	5.0-3.1-PBT
	6.35	4.2	800	100	14.3	10x OD	5x OD	-10 to +60	6.3-4.2-PBT

Environmental Conditions:

- Operating Temperature: -10°C / +60°C

Options:

Slit - A slit version of the product is available. This allows retro-fit of Optical fibre or cable already in-situ.