

## Plastic Optical Fibre - Product Data



For more information,  
Contact [sales@pyroptic.com](mailto:sales@pyroptic.com)

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### Description

Plastic optical fibre (POF) provides the durable flexible optical channel that passes through each PyrOnode. When a PyrOnode alarms it cuts the POF blocking optical transmission and this is instantly detected by the loop monitoring relay. Once connection has been investigated and repaired POF can be easily cut and spliced back together using PryOptic fibre splice kits. POF has a similar feel and flexibility to thick nylon fishing line.

### Features

- Easy installation and termination
- Flexible construction with durable PA12 jacket
- Simple splicing no need for complex tooling
- Non-conductive suitable for most electrical installations
- Available in custom spool lengths upto 1000m

### Product Image



### Specifications

Feature	Data	Notes
Core Material	Polymethyl-Methacrylate Resin	
Cladding Material	Fluorinated Polymer	
Jacket Material	Polyamide Resin PA-12	Black in colour
Jacket Material CTI	Comparative Tracking Index 600	Group 1 material AS/NZS 61439
Core Diameter	0.47mm to 0.53mm	
Outer Diameter	1.0mm ± 0.05mm	
Number of Fibers	1	
Installation Temperature	-55 ~ 105°C	No Physical Deterioration
Attenuation	≤0.25 dB/m	
Minimum Bend Radius	9.0mm	
Tensile Strength	≥20 N	Breaking Point

Please contact PyrOptic sales for pricing - [sales@pyroptic.com](mailto:sales@pyroptic.com)

### Pricing

Order Code	Description	Qty.	Cost
PYR-SHCN-500-10	1.0mm OD POF		POA