

Plastic Optical Fibre - Product Data



For more information,
Contact sales@pyroptic.com

Description

Plastic optical fibre (POF) provides a very tough, sacrificial light channel that passes through each PyrOnode. POF can be joined using PryOptic fibre join kits. No more than 6 joints should be typically used in a loop due to increased attenuation. Compared with glass optical fibre it is very difficult to damage and has a similar feel to thick nylon fishing line. The maximum loop length depends on a number of factors including allowance for joints, tight bends and linear attenuation. As a general rule, loops under 200m do not require special consideration.

Applications

- Switchboards
- Switchgear including withdrawable equipment
- Motors and generators including rotating parts such as pole interconnections
- Distribution bus systems
- Transformers

Product Image



Specifications

Feature	Data	Notes
Core Material	Polymethyl-Methacrylate Resin	
Cladding Material	Fluorinated Polymer	
Jacket Material	Polyamide Resin PA-12	Black in colour
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

All prices are subject to change and do not include GST

Pricing

Order Code	Description	Qty. Cost 1	Qty. Cost 2
PYR-SHCN-500-10	1.0mm OD POF	\$2.50 p/m	\$2000.00 p/1000m