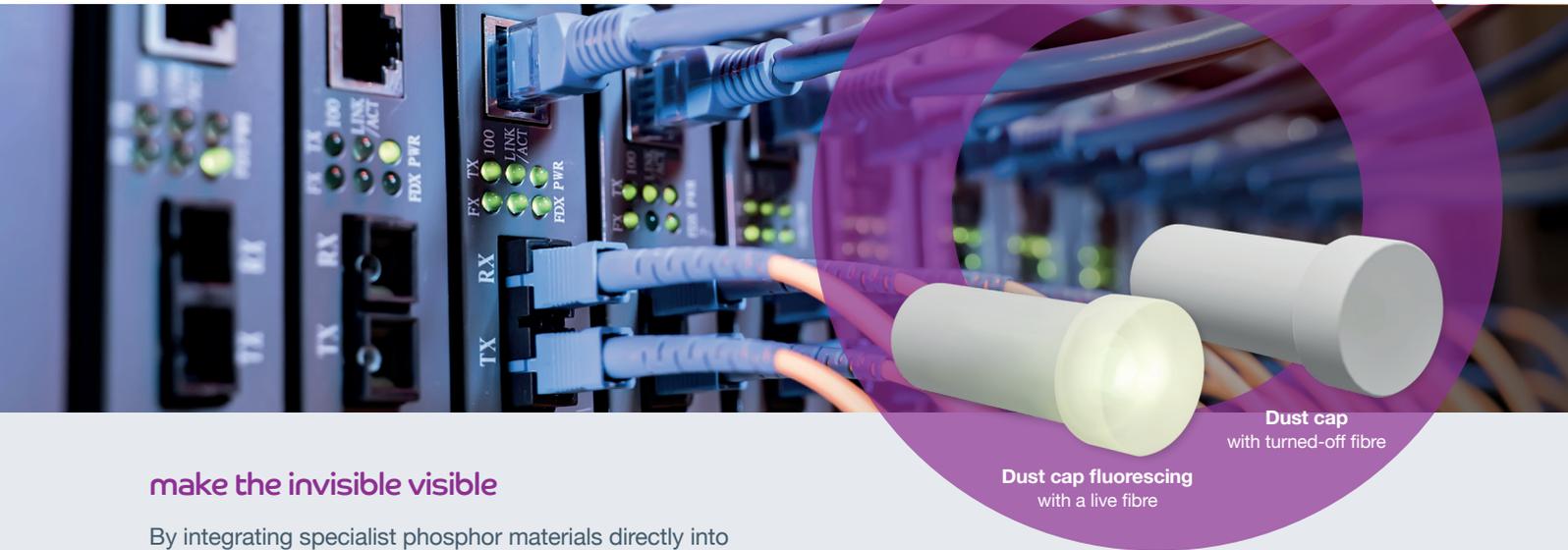


Laser Safety Dust Caps

Fluorescing dust caps for fibre optic safety

Fluorescing fibre optic dust caps from Scintacor provide a simple, passive safety solution for identifying active optical fibres carrying visible or invisible (UV or IR) laser radiation.



make the invisible visible

By integrating specialist phosphor materials directly into a standard fibre dust cap, the product visibly fluoresces when exposed to laser light, giving an immediate warning that a fibre is live - without the need for power, electronic, or additional equipment.

These dust caps are designed to integrate seamlessly into existing fibre management and maintenance workflows, improving laser safety in environments where invisible radiation presents a risk.

how it works

Modern fibre optic systems frequently operate at wavelengths that are invisible to the human eye, such as infrared. Scintacor's fluorescing dust caps incorporate advanced phosphor technology that converts invisible laser radiation into visible light. When a fibre is active, the dust cap glows, providing a clear and intuitive indication that laser radiation is present.

This passive conversion of invisible light into a visible signal allows engineers and technicians to quickly confirm fibre status before disconnecting, cleaning, or handling optical connections.

features

- Immediate visual warning of active optical fibres carrying visible or invisible (IR or UV) laser light
- Passive operation no batteries, wiring, or electronics required
- Ease of use integrated into standard fibre management practices
- Reduces risk of accidental exposure to hazardous laser radiation
- Improves health & safety compliance in high-density fibre environments
- Custom wavelength response using tailored phosphor formulations engineered to respond to specific wavelength bands



ordering and customisation

Fluorescing fibre optic dust caps can be supplied for a range of connector formats and wavelength requirements.

Please contact Scintacor to discuss specific connector types, operating wavelengths, or custom safety solutions.

typical applications

- Data Centres
- Telecom and Broadband Network Operators
- Network testing, installation, and maintenance operations
- Laboratory and R&D environments requiring laser safety controls

broadband response from 250 - 1700 nm



also consider

The **IRis Safety Wand** from Scintacor is a portable high-power infra-red laser detector for fibre optic network engineers; providing a fast and reliable final safety check before starting work on fibre cables.



why Scintacor?

Our technologies are used in a wide variety of applications across x-ray, UV, EUV, IR, electron and neutron, detection and imaging. Trust our phosphor and scintillator expertise to optimise performance for your specific application.

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