



INDUSTRIAL TEMPERATURE
WDM TRANSCEIVERS

Pushing the boundaries of fibre, further.


ProLabs
Unlock your connectivity

We support
the growing
demand,
for connectivity
in exposed
environments.

Toughened Industrial WDM Optics

Fibre connections are reaching further from the climate-controlled environments of the data center every day. This in turn means that our transceivers are having to endure environments that would have seemed impossible a decade ago. Reaching everywhere from the edges of FTTX infrastructure to the factory floor, this also brings a demand for more connections through existing fibre, often where replacing cable is not an option. ProLabs new industrial temperature rated WDM optics are the solution to enable greater flexibility from your fibre infrastructure, whilst being able to withstand variable environments for longer with their wavelength stabilising technology.

ProLabs Industrial Temperature Transceivers

This broad new range of products enables you to deploy your optics where you need them, and at the scale you require. We have also introduced compatibility with key vendors across the industrial optics sector, so you can have confidence in ProLabs transceivers, wherever they are deployed.

CATV

Arris
Aurora
C-cor
Motorola
Scientific Atlanta

CPE NID

Adtran
Calix
Cisco
Juniper
Over 50 OEMs

INDUSTRIAL

Rockwell Automation
Hirschmann
Moxa
MRV
Kyland

CWDM Products

ideal for legacy systems and deploying optics into existing fibre to increase capacity, of which include: 8 wavelengths, 40Km to 80Km range and SFP forms at 1G to 2.5G

DWDM

Dense multiplexing for complex networking and high performance systems. These include: 40 wavelengths, 80Km to 120Km range and SFP forms at 1G to 2.5G.

Standard Products

The same operation as a normal transceiver, with industrial performance. Features include: LR/ER and ZR ranges, SFP/SPF+ and XFP forms and 1G to 10G data rates.

FTTX Solutions

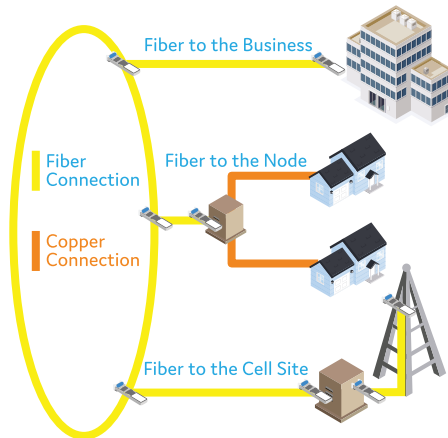
As fibre is pushed further into the network, we are seeing transceivers deployed in places where they are exposed to the elements.

Deploying to the Node

Consumers are demanding more performance, so service providers are starting to deploy fibre to the node, often in places that need to be low-maintenance.

Optics in the Antenna

Service providers are also having to ensure greater bandwidth through the air, which requires transceivers that can survive at the top of a radio antenna for long periods without human intervention.

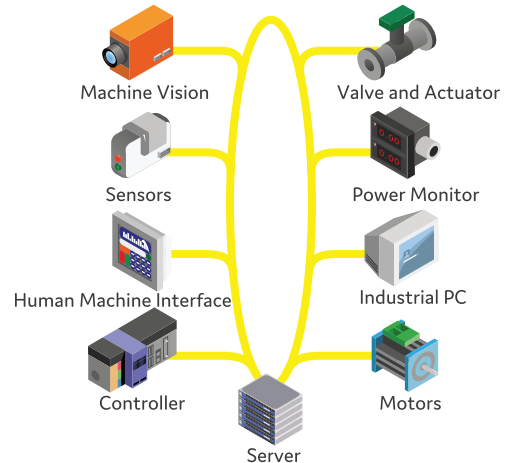


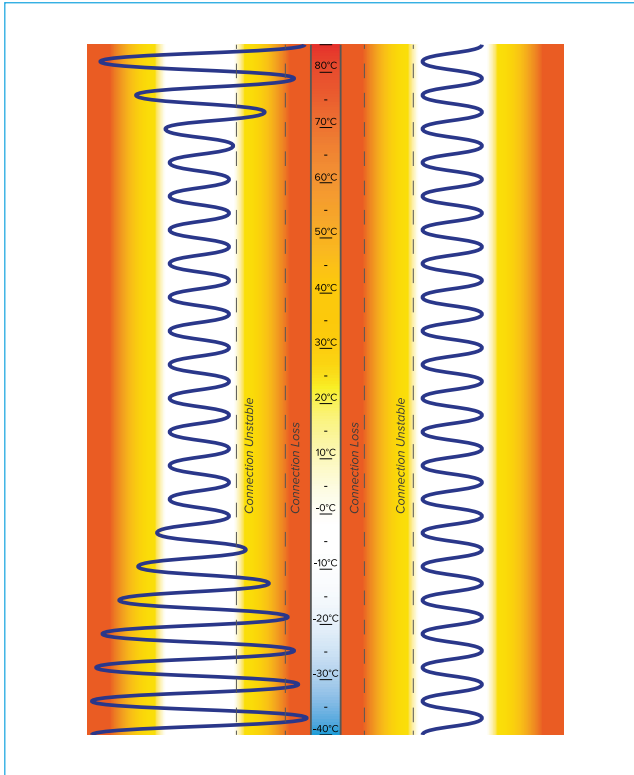
Industrial Environments

The factory floor is seeing a revolution in networking - moving to large systems controlled through a single interconnected network.

Multiplexing Solution

Multiplexing shines in these scenarios, as it allows a network to be strung through a low number of cables with {{drop points}} out to individual machines and stations. This saves time and money not just in setup, but in maintenance as well - instead of having to diagnose lots of individual connections to a central hub, the system can rely on a central loop.





FTTX Solutions

The biggest difference with a ProLabs industrial temperature rated device is the stabilising technology it employs. Most products can resist some fluctuations in temperature, however over time the stability of the wavelength is compromised - moving it outside of tolerances.

The ProLabs Difference

Our industrial temperature rated devices however are designed to correct for these fluctuations caused by temperature. This radically increases the life span of the product, especially in situations where the temperature is likely to fluctuate regularly.

A good example of this are FTTH and DSLM cabinets. Exposed to the elements and often not in position for regular maintenance, devices that can last several seasons of fluctuations (and even day -night cycles) are incredibly important and cost-effective.

Visit www.prolabs.com for more connectivity solutions.