

PRESS RELEASE

PRYSMIAN GROUP PRESENTS WIDECAP MULTIMODE FIBRE AT OFC 2016

**THE FIBRE'S CAPACITY HAS BEEN EXTENDED TO SATISFY INCREASING DEMAND IN DATA CENTRES,
ENABLING THE FAST LANE TO THE CLOUD**

**PRYSMIAN CONFIRMS ITS COMMITMENT TO OPTICAL FIBRE INNOVATION TO MEET GROWING
TRAFFIC DEMANDS**

Milan, 23rd March, 2016 – Prysmian Group, world leader in the energy and telecom cable systems industry, presents latest innovations in wideband multimode fibre (MMF) and few-mode fibres for space division multiplexing (SDM) at OFC Conference and Exhibition this week in Anaheim, California, US.

Multimode systems based on OM4 and VCSEL technology provide a low cost and power efficient solution for data centre networks based on parallel multimode fibres. At present, there is significant effort in the industry to increase the capacity of multimode fibres. To that extent, the development of wideband MMFs capable of Short Wavelength Division Multiplexing (SWDM) transmission using high speed VCSELs between 850nm and 953nm has been considered as an optimal solution. In particular, to satisfy the exponentially increasing information demand in data centres, the capacity of Prysmian's WideCap fibre has been extended to longer wavelengths up to 953nm, adding 3 channels to the regular OM4 850 nm. Thanks to this capacity extension, WideCap conveys 4 x 25 Gbps channels, enabling 100 Gbps and opening the door towards future 400 Gbps systems.

"WideCap MMF provides OM4 performance within the 850nm to 953nm wavelength range, allowing data centre owners to take full advantage of novel WDM transceivers using duplex LC connectivity. WideCap MMF, combined with pulse-amplitude modulation PAM4 signal format and SWDM, allows 200Gbps transmission over a single MMF", indicates Eric Stoltz, Vice President Fibre, Telecom Business at Prysmian Group.

WideCap allows also saving space and improving network performance with the use of smaller, high density fibre management systems in space limited data centres, computer rooms and LANs, improving overall system network reliability. Moreover, extended reach, fibre efficiency and low-power consumption can be achieved simultaneously by a combination of 4x25 Gbps WDM VCSEL transceivers with the use of WideCap. This fibre meets the most stringent ISO/IEC, TIA/EIA and IEC standards, and easily fits the next standard requirements.

Prysmian Group is always committed to optical fibre innovation and will present 11 publications at OFC 2016, related to the latest developments in SDM and few-mode fibres for access and long-haul optical networks, and also in wideband multimode fibres.

To learn more about WideCap and SDM visit Prysmian Group at Booth#2131 where live demonstrations of SDM and WideCap will be displayed.

Prysmian Group

Prysmian Group is world leader in the energy and telecom cables and systems industry. With almost 140 years of experience, sales of about €7.5 billion in 2015, over 19,000 employees across 50 countries and 88 plants, the Group is strongly positioned in high-tech markets and offers the widest possible range of products, services, technologies and know-how. It operates in the businesses of underground and submarine cables and systems for power transmission and distribution, of special cables for applications in many different industries and of medium and low voltage cables for the construction and infrastructure sectors. For the telecommunications industry, the Group manufactures cables and accessories for voice, video and data transmission, offering a comprehensive range of optical fibres, optical and copper cables and connectivity systems. Prysmian is a public company, listed on the Italian Stock Exchange in the FTSE MIB index.

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