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News Release

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## OFS ANNOUNCES NEW DISPERSION SLOPE COMPENSATING MODULE FOR CABLE TELEVISION NETWORKS

**ECOC 2012, Stand 335, Amsterdam, The Netherlands, 17.**

**September, 2012** - OFS, a leading designer, manufacturer and supplier of innovative fiber optic network products, today announced the launch of its new dispersion slope compensating module (DSCM) for the cable television (CATV) market. This is just the latest product addition to OFS' broad DSCM portfolio, with a corporate heritage in DSCMs going back to 1996.



Advantages of OFS' DSCM line include:

- Wave length flexibility
- Zero polarization dependent loss (PDL)
- Smooth slope dispersion compensation
- Flexibility in packaging with both spool or boxed spool offerings
- Excellent optical performance

Optical communication networks need to overcome the distortion caused by chromatic dispersion (CD), and this means that dispersion compensation is still a critical requirement for operating certain network architectures. We recognize the strategic need for many network operators to still provide a large number of lower speed optical links with the transition underway to higher speed such as 40G and 100G. These lower speed links can be aggregated or mixed with new higher speed links turned up for service. In addition, in CATV networks based on Dense Wavelength-Division-Multiplexed Passive Optical Networks

(DWDM-PON) CD can also severely limit the maximum reach to the subscriber base. Furthermore, chirp dispersion from low cost directly modulated lasers results in shorter allowable transmission distances compared to the distance calculated by the loss budget. Even with the advent of newer transmission technologies, CD remains an issue which OFS seeks to address with its new DSCM module.

With new mainstream applications such as high definition television (HDTV), content streaming including live broadcasts and real-time gaming, there is now an increased consumer demand for high quality services. Optical dispersion compensation allows these operators to take full advantage of the available optical bandwidth. “CATV networks can now improve their subscribers viewing experience with the OFS DSCM CATV module by delivering high quality video services and HD content over long transmission lengths,” said Mimi Eggert-Hansen, Product Marketing Manager, OFS.

For more information, please visit: [www.ofsoptics.com/SpecialtyPhotonics](http://www.ofsoptics.com/SpecialtyPhotonics).

## **About OFS**

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today’s and tomorrow’s digital and energy consumers and businesses.

OFS’ corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit [www.ofsoptics.com](http://www.ofsoptics.com).



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