



PreCONNECT® PURE

## The PURE effect:

PreCONNECT® PURE is a milestone in the development of high-end IT cabling for data centers, because it eliminates two uncertainty factors that are critical to overall performance in day-to-day operations: contamination and loss budget. In addition, significant cost savings are achieved by eliminating the need for on-site acceptance test and cleaning.

### Contamination is prevented

By their very nature, the optical contacts integrated in PURE interfaces make it impossible for contamination or damage to occur during installation. Therefore with PreCONNECT® PURE it is not necessary after installation to perform the acceptance measurements specified in standards. This lets you minimize operating costs.

### Real loss budget is achieved or substantial cost savings are achieved

PURE connectors have an extremely low, guaranteed insertion loss – not just in each-to-each tests, but in real-world applications. With PreCONNECT® PURE it is not necessary after installation to perform the acceptance measurements specified in standards. This will save you considerable time and money.



### Your advantages at a glance

- ✓ Sealed interfaces for guaranteed protection against contamination
- ✓ Extremely low insertion and high return loss
- ✓ Maximum transmission distance
- ✓ Guaranteed high quality for reliable planning of data centers
- ✓ Savings of at least 15% in time and money
- ✓ More connections

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## PURE at a glance

- Integration of optical contacts in the LC-duplex interfaces, ruling out contamination during installation
- Guaranteed parameters for unused channels until they are actually used
- Factory-sealed to prevent improper opening and handling
- Insertion loss and return loss exceeding IEC 61755-5 Ed. Grade Cm (Multimode)
- Guaranteed maximum insertion loss of 0.15 dB (LC Multimode 50µm)
- Visual quality of ferrule end faces significantly better than IEC 61300-3-35
- Quick, tool-free mounting with simple snap-in on the back of the panel
- Complete system consisting of trunk cables, patch cables, SMAP-G2 panels and racks
- Multimode and Singlemode
- Twice as many connections and 15 meters more channel length



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\*In relation to 1.0 dB insertion loss, a channel length of 150 m and a loss budget of 1.54 dB according to original Fibre Channel 16 Gbit/s OM4 specification.

## Overall performance

Fibre Channel 16 G OM4	PURE Quality 50µm MM "Application limit"	IEC 61755-5 ED. 1.0 CD Grade Cm Grades Am & Bm are not defined by the standard, RL Grade 2m
IL (insertion loss)	100 % max. 0.4 dB mean 0.15 dB	max 0.6 dB for 97 % of connections mean 0.35 dB
RL (return loss)	min. 40 dB	min. 20 dB
Channel length (loss budget)	165 m (1.51 dB)	150 m (1.54 dB)
Possible number of connections	6	2

PreCONNECT® PURE as compared with IEC 61755-5 Ed. 1.0 CD Grade Cm, the highest specified performance class for fiber-optic connectors

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