

FIAT LUX or:

DIAMOND SA

There is nothing like good connections

Most Important



www.diamond-fo.com



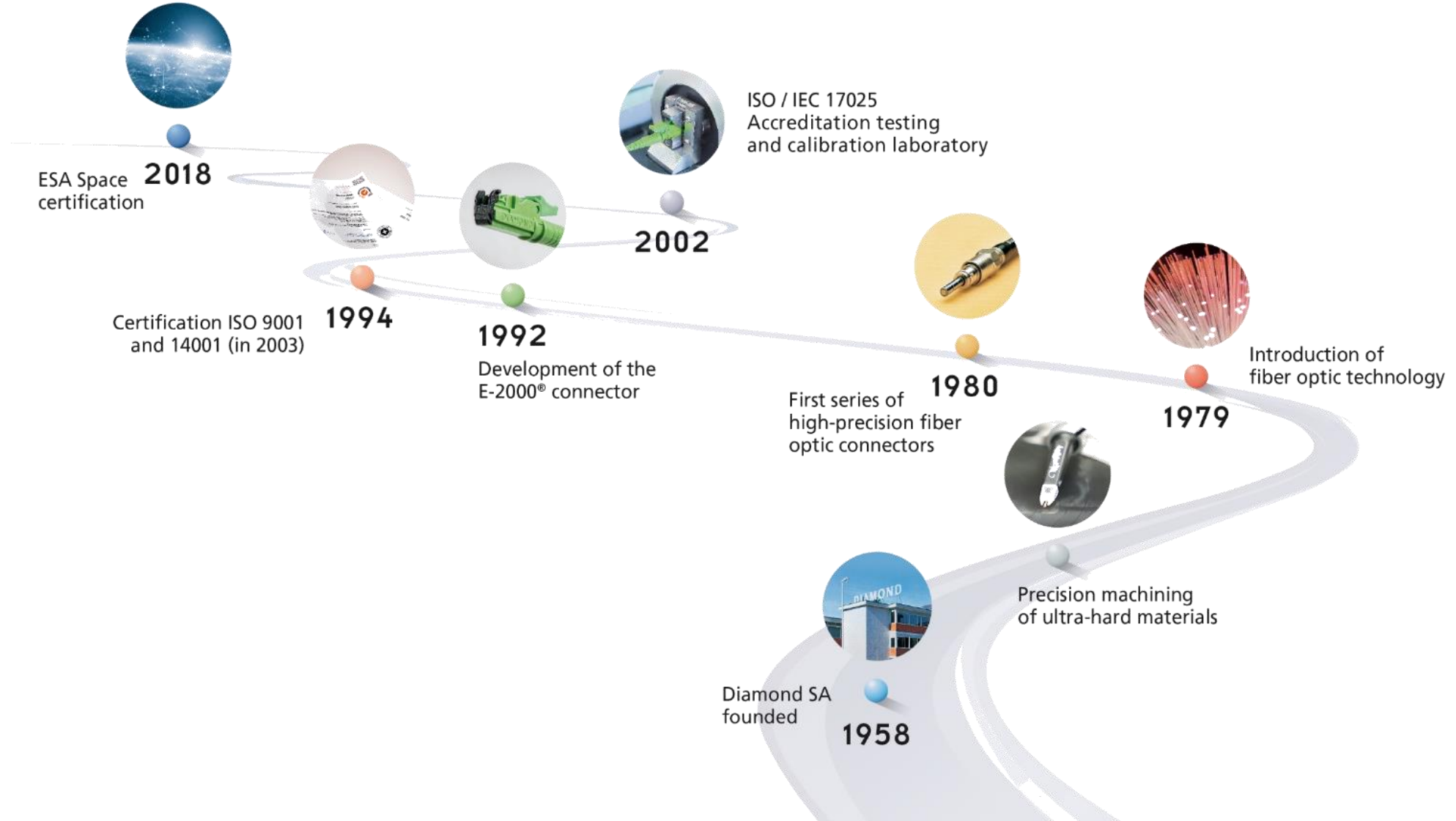
About the Company



- Privately run company with more than 60 years of market presence
- Manufacturer of ultra-high performance fiber optic connectivity and assemblies
- Headquartered in Losone, Switzerland
- “In-house” manufacturing of all our products
- Significantly tighter tolerances compared to industry standards
- Fundamental interconnect technology available in a wide range of form and design variants (form and function)
- Stable and reliable connection of a large variety of standard and specialty optical fibers



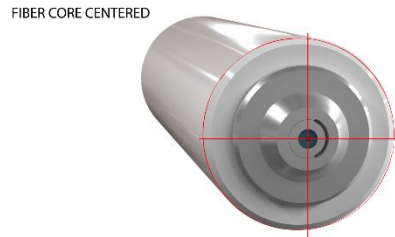
Striving for progress



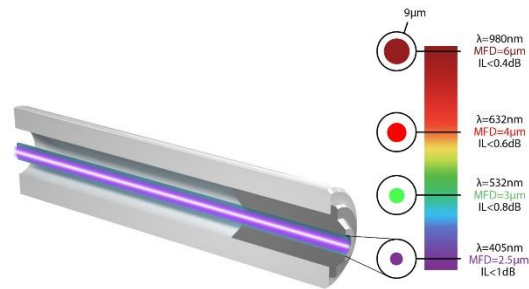
Our Technologies



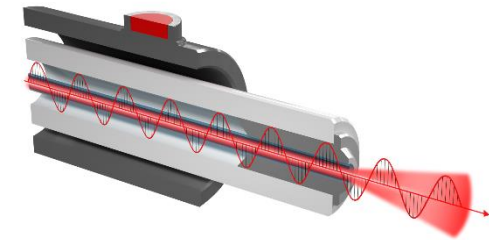
Active Core Alignment



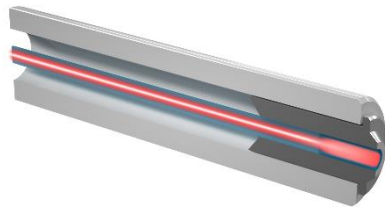
VIS/NIR Short Wavelengths



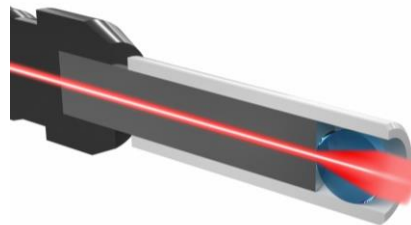
Polarization Maintaining



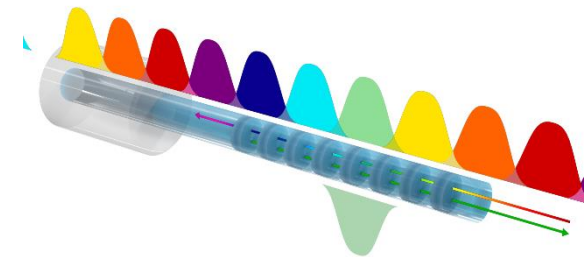
Power Solution



Lensed Ferrule (XB)



Fiber Bragg Grating



Our Products:



Single channel connectors



E-2000®



F-3000®



DiaLink



SC



FC



ST™



AVIM®



Midi AVIM® /
Mini AVIM®



Micro AVIM®/
DMI



F-SMA

Multi-channel connectors



DM4 based



HE-2000®



MIL-38999
DM4 Family



MIL-83526 DM4



X-BEAM

E-2000® based



Revos E2000®

MT based

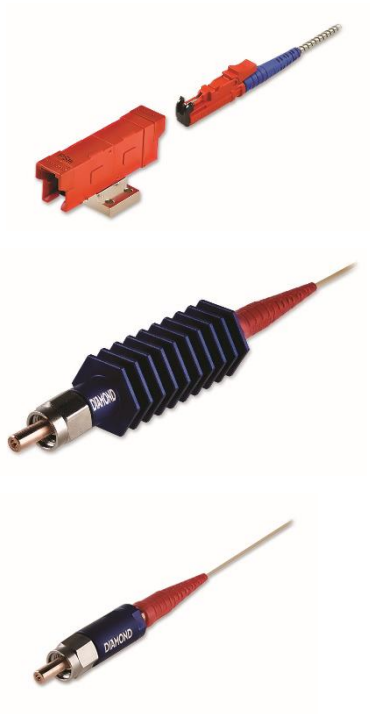


DiaFlex

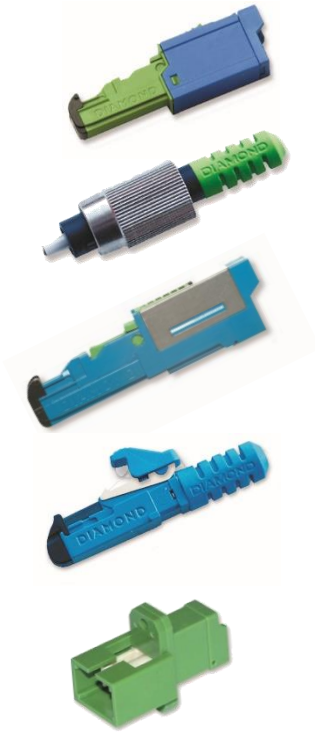


Multiple Fiber

Accessories / special assemblies



Power Solution



Accessories



Custom Products



Cleaning & Inspection



Measurement



Field Assembly

Customer Projects:



Projekt GCF (IT)



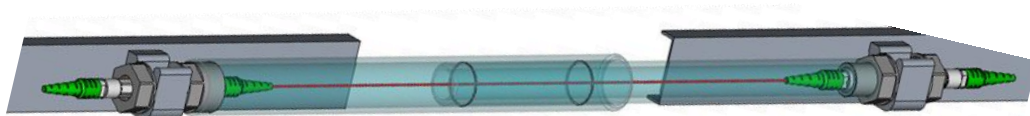
Application :

Safety of the Railway Network

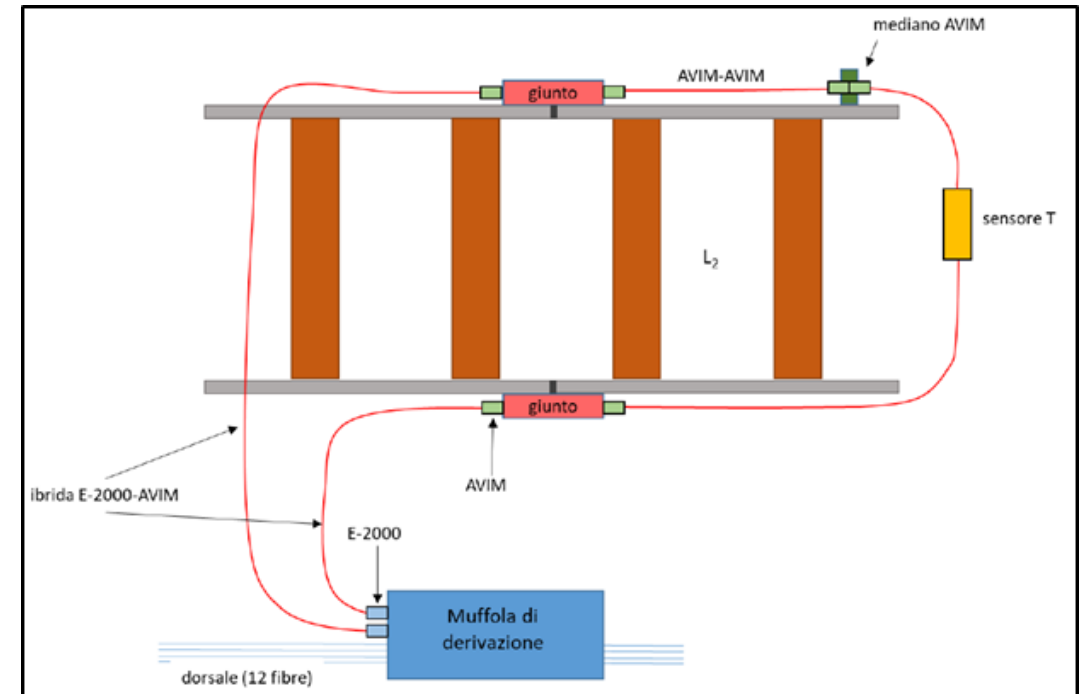
Project Request:

Control of Rails and Temperature Sensing(1 KIT)

- Frameorder 2021/2022 60 KIT



Today in further development





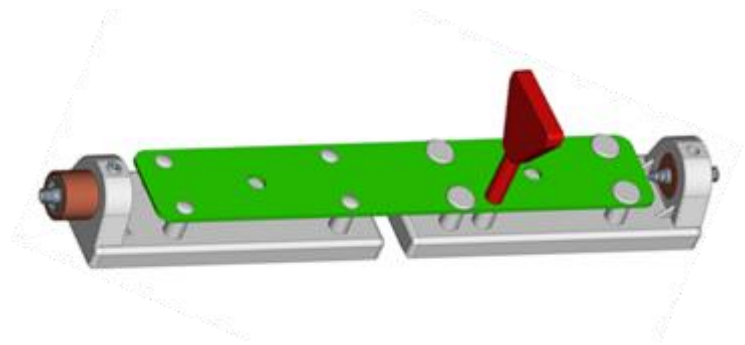
15:11:44
16/03/2022

Quadro sinottico

Ultimo
16/03/22

VV 14 SX 0.02 mm	Ente: INV 14 DX Misura: -0.01 mm	Ente: D14 SX Misura: +0.01 mm	Ente: D14 DX Misura: -0.01 mm	Ente: D12 SX Misura: -0.07 mm	Ente: D12 DX Misura: 0.1 mm	Ente: D08 SX Misura: 0.05 mm	Ente: D08 DX Misura: 0.03 mm
06 SX 0.04 mm	Ente: D06 DX Misura: 0.1 mm	Ente: D05b SX Misura: 0.02 mm	Ente: D05b DX Misura: -0.06 mm	Ente: D03 SX Misura: --	Ente: D03 DX Misura: -0.01 mm	Ente: D01 SX Misura: 0.03 mm	Ente: D01 DX Misura: 0.06 mm
DB 86-87 SX --	Ente: CDB 86-87 DX Misura: --	Ente: CDB 85-86 SX Misura: 0.04 mm	Ente: CDB 85-86 DX Misura: -0.04 mm	Ente: CDB 84-85 SX Misura: 0.05 mm	Ente: CDB 84-85 DX Misura: 0.07 mm	Ente: CDB 83-84 SX Misura: -0.01 mm	Ente: CDB 83-84 DX Misura: 0.25 mm
DB 82-83 SX 0.2 mm	Ente: CDB 82-83 DX Misura: -0.01 mm	Ente: CDB 81-82 SX Misura: -0.3 mm	Ente: CDB 80-LINEA Misura: --	Ente: CDB 80-81 SX Misura: 0.04 mm	Ente: CDB 80-81 DX Misura: 0.33 mm	Ente: CDB 35-31 SX Misura: 0.01 mm	Ente: CDB 35-31 DX Misura: -0.01 mm
DB 33-34 SX 0.04 mm	Ente: CDB 33-34 DX Misura: 0.01 mm	Ente: CDB 32-33 SX Misura: -0.02 mm	Ente: CDB 32-33 DX Misura: -0.02 mm	Ente: CDB 31-32 SX Misura: --	Ente: CDB 31-32 DX Misura: -0.0 mm	Ente: CDB 303-40 SX Misura: 0.03 mm	Ente: CDB 303-40 DX Misura: 0.08 mm

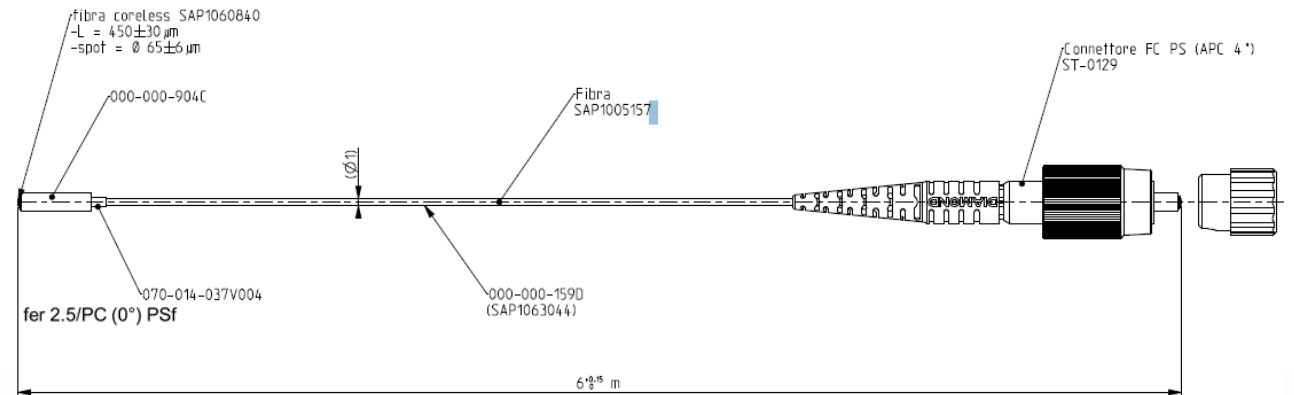
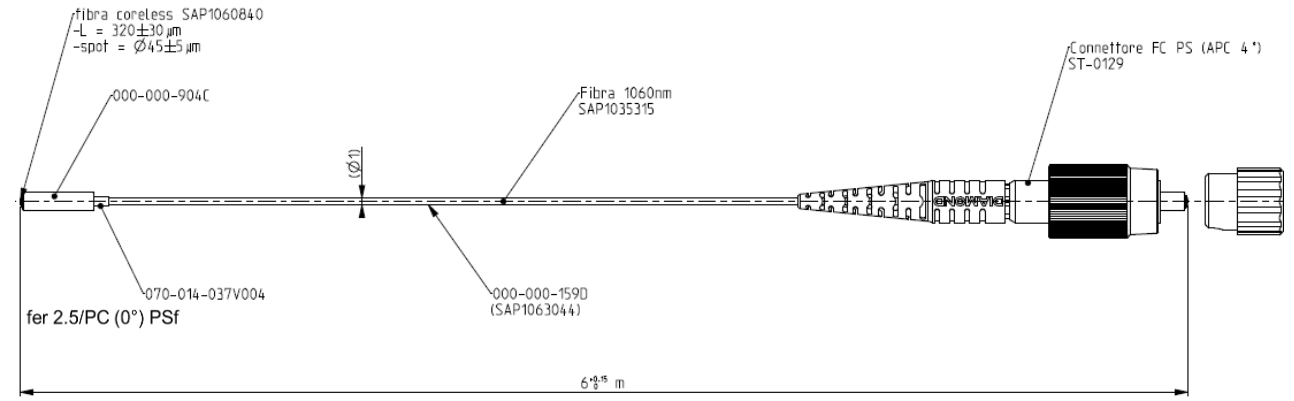
Under Development
«Sensore rottura»



Application :
Satellitenumfeld

Product Request:

- Patchcord FC/APC (4°) PS + fer 2.5/PC (0°) PSf, Custom Grade



Thales Alenia Space (FR)



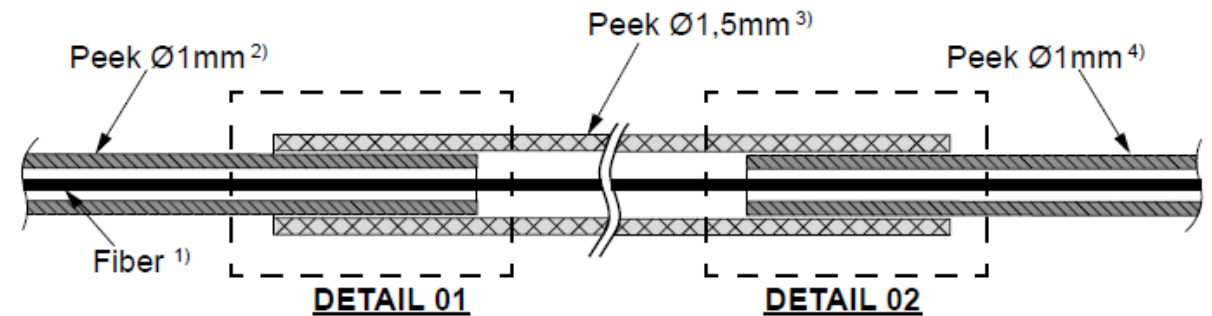
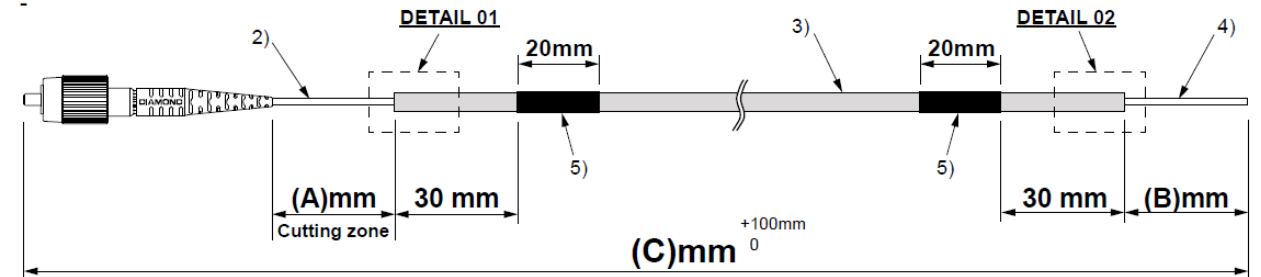
Application:

Satellite Usage: Telesat Leo Konstellation

Product Request:

- Pigtail FC (wk) APC custom Configuration (SG)

FC (wk) APC - Alberino version



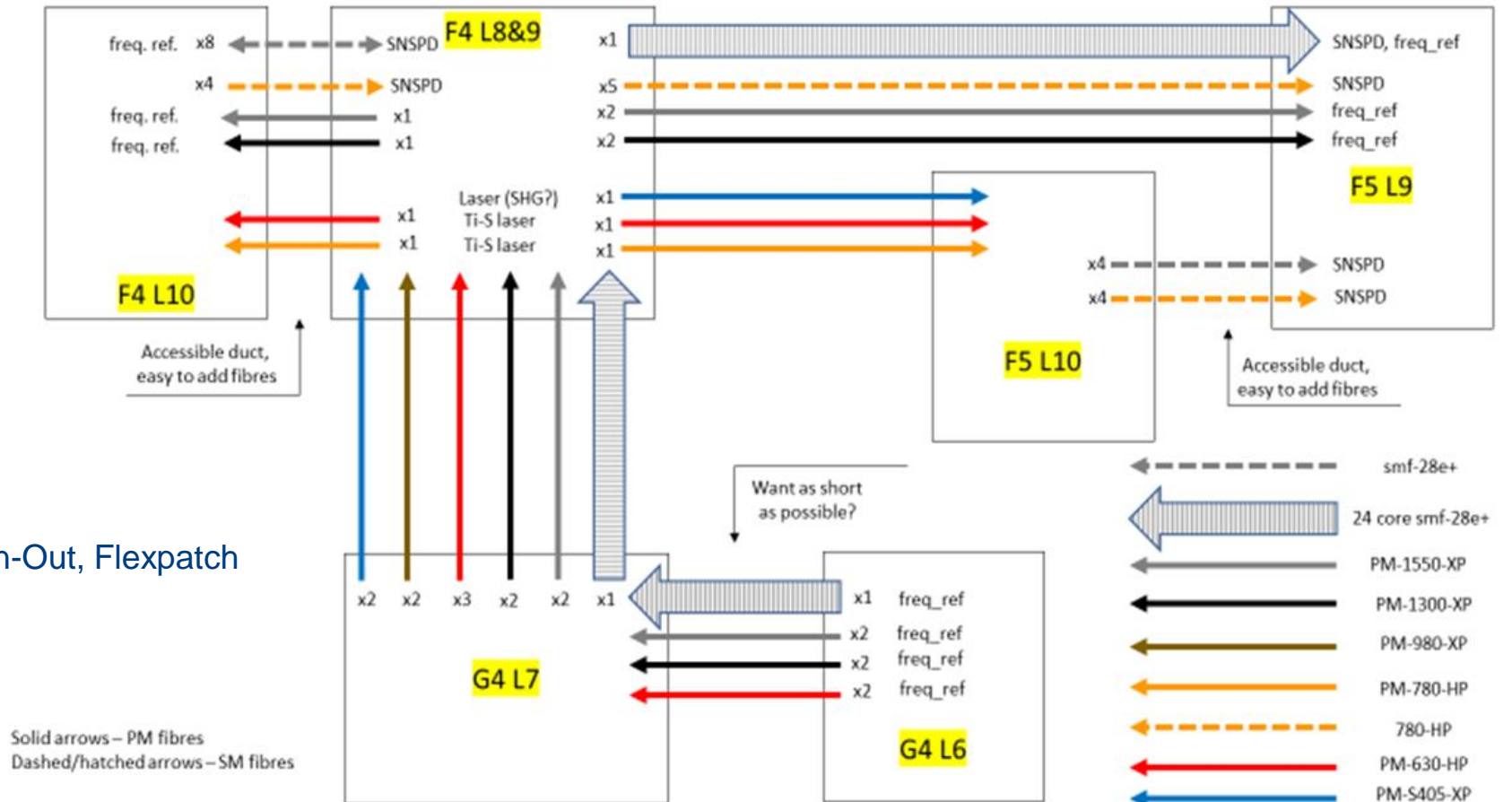
NPL (National Physical Laboratory) (UK)

Application:

Datatransport from one Lab to another

Product Request:

FC, E-2000 0.1dB, FC PM, Fan-Out, Flexpatch



Satelite: Cryogenic Application

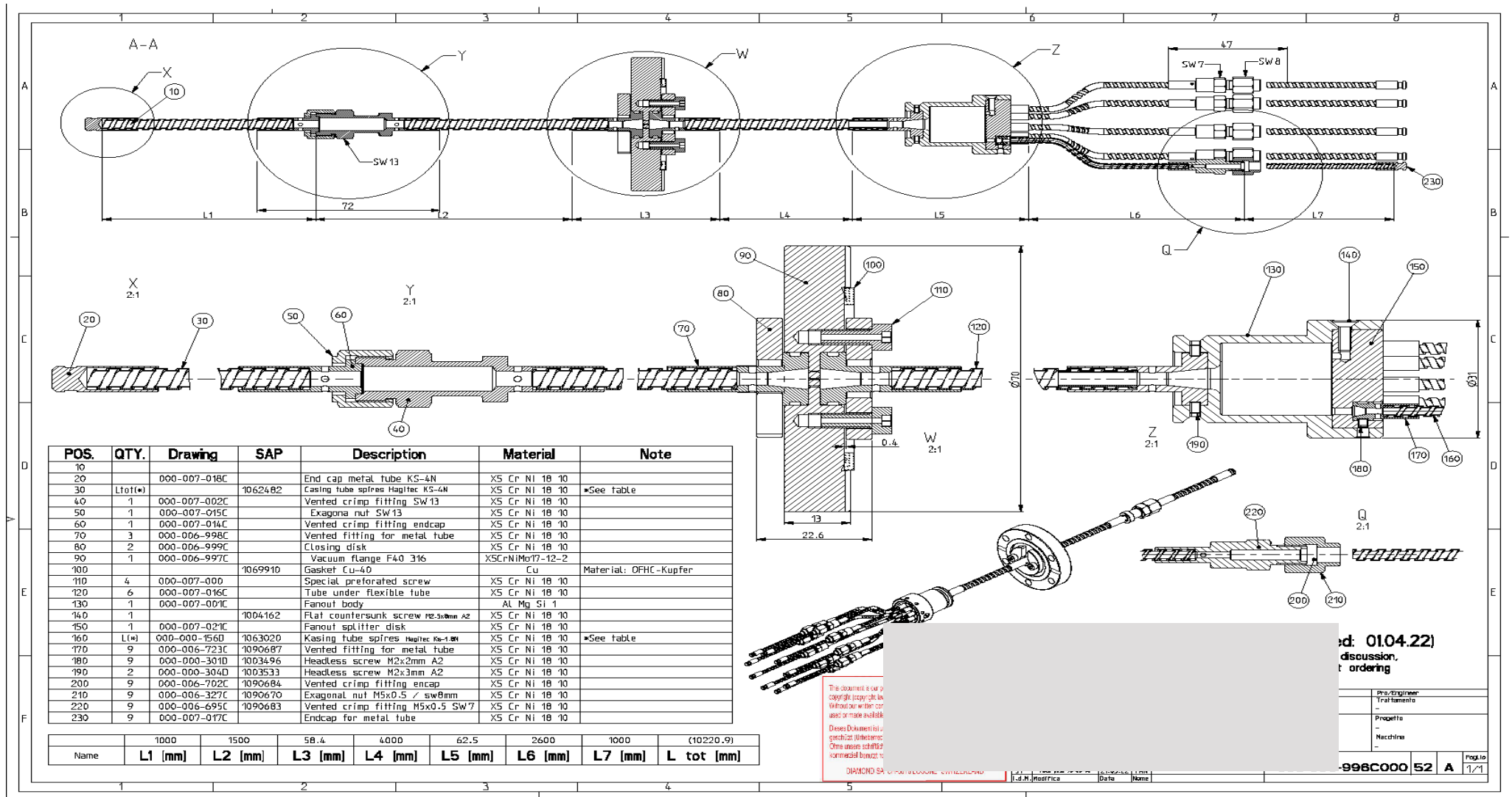


ID Quantique (CH), ETHZ (CH), EPFL (CH), Cern (CH), VTT (Finland)

Application with Sensors working in kryogenic surroundings: (-270°C)

Product Request: HT patchcords mit PM fasern und Vacuum Feedthrough

Example @Chip Industry: Complex connection system



Thank you, for your attention !

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Most Important



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