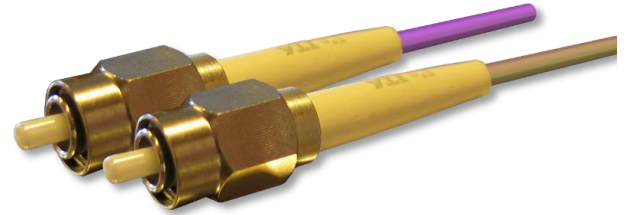




Description:

For these applications, we propose two cable constructions:

- LCH105 fiber in PEEK tube 1.7 mm with FC High Reliability connectors.
- LCH105 fiber in purple cable 1.8mm with Kevlar braids and equipped with FC High Reliability connectors.

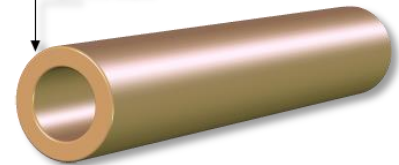


Technical Specifications:

• PEEK Tube Ø 1.7mm : Reference : PKGAIN12x17PEEK

- This tube with LCH105 fiber is not subject to any variation of insertion loss during cycling -40/+80°C
- Excellent radiation resistance of the material
- Good resistance to compression
- Very low outgassing
- Flame retardant : V-0
- LSZH material
- Minimum Bending Radius : 75 mm

PEEK Tube
1.2x1.7mm

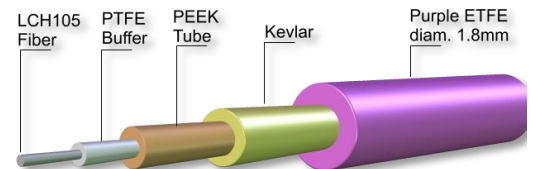


• Purple Cable 1.8mm with Kevlar braid : Reference : FC01LCH105ESEDI05

- Good resistance to radiations
- Very low outgassing
- Minimum Bending Radius : 50 mm

According to the internal qualification report: RQ090909

- According to a specific process before assembly, this cable does not suffer any variation of insertion loss during cycling -40/+80°C
- When applying a gradient -40/+40°C under a radius of 37.5 mm, this cable not subject to any variation of insertion loss.
- Max tensile strength cable/connector : > 60N
- Max tensile strength cable : > 150N



• FC/PC High Reliability Connector:

Insertion Loss	0,15 dB Typ. (singlemode)
Return Loss	< -45dB Typ. (PC polish)
Torque	6,5 IN-LBS
Tensile loading	> 20 LBS
Durability	> 500 Cycles
Boot Outgassing	Average values TML < 1%, CVCM < 0.1% per ASTM E-595-90
Shock	20g's rms, 20-2000Hz, IL 0.1 dB max., RL 0.5 dB max.
Storage T°	-55 / +150 °C (may be limited by epoxy)
Operating T°	-45 / +110 °C

