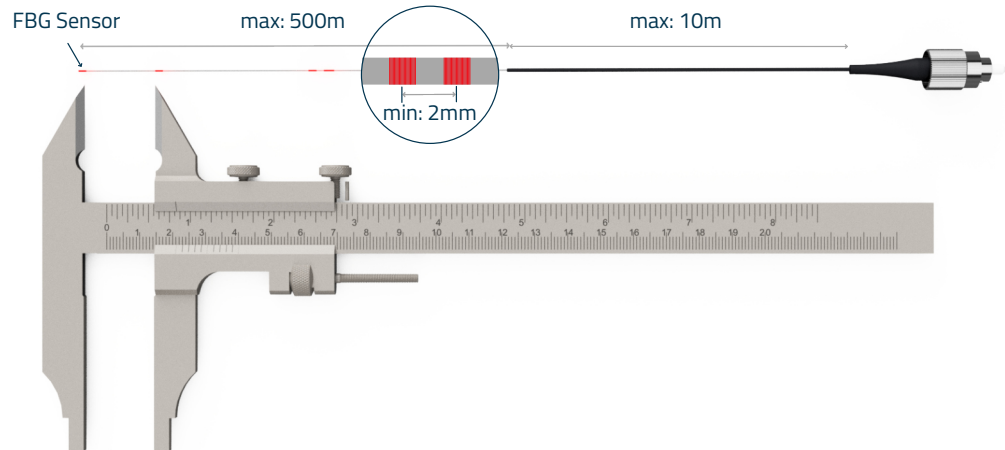


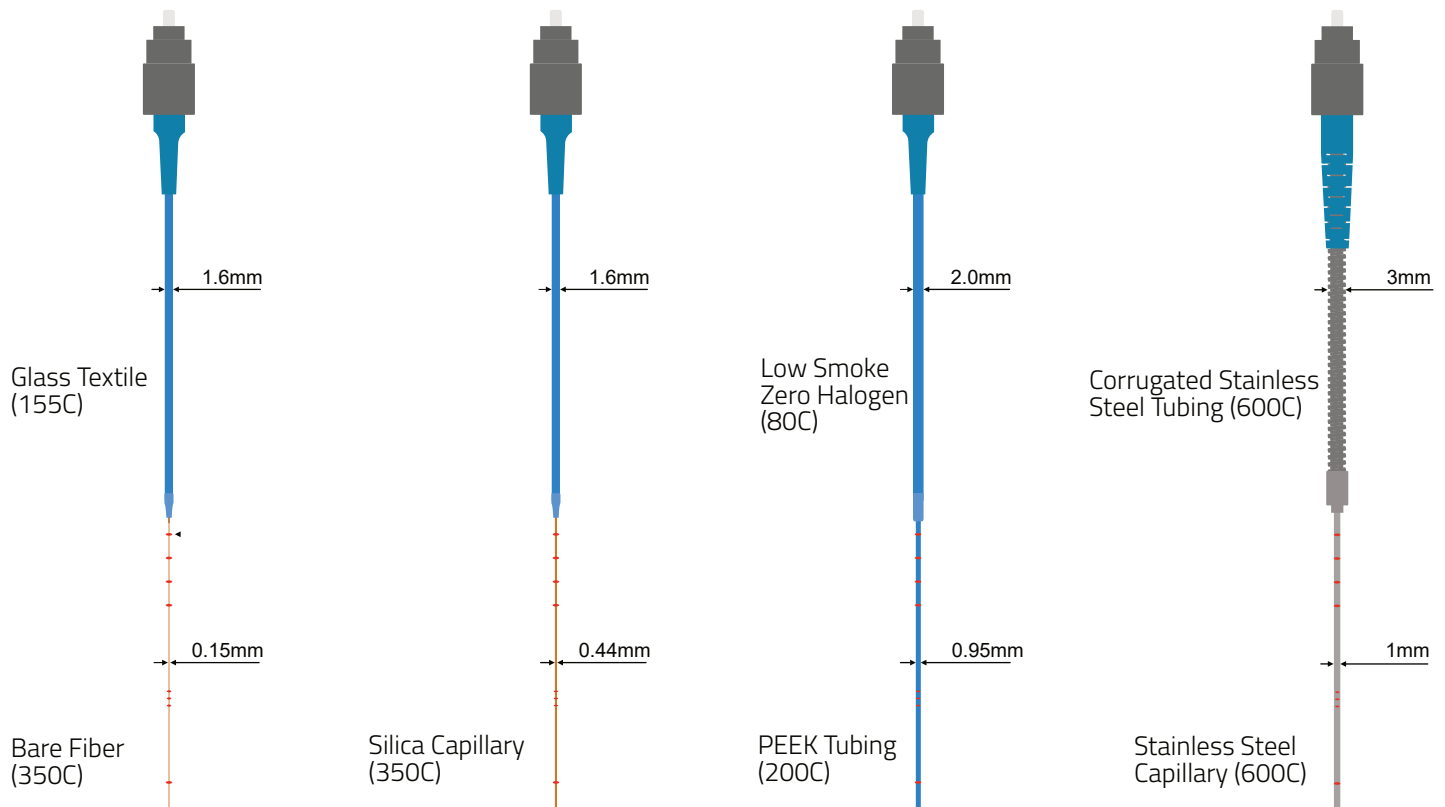
Fiberoptic Rapid Prototyping

Tailored FBG Arrays for FiSpec Interrogators at 850nm

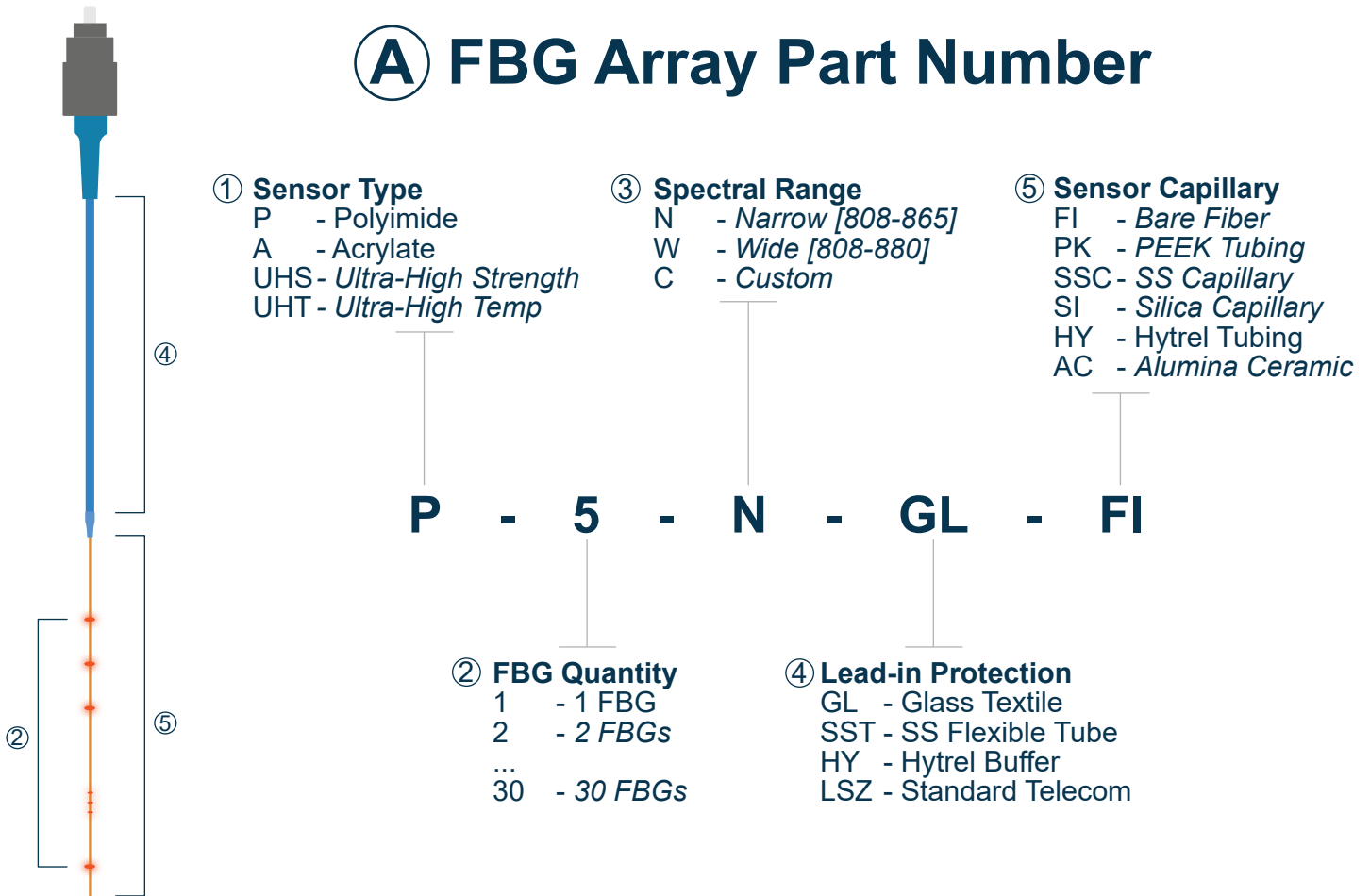
Up to 30 FBG at arbitrary Positions



Off-the-shelf Packaging Options



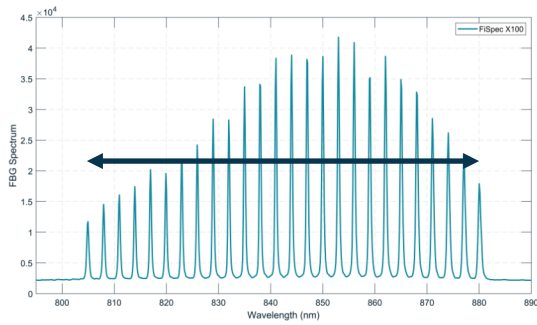
A FBG Array Part Number



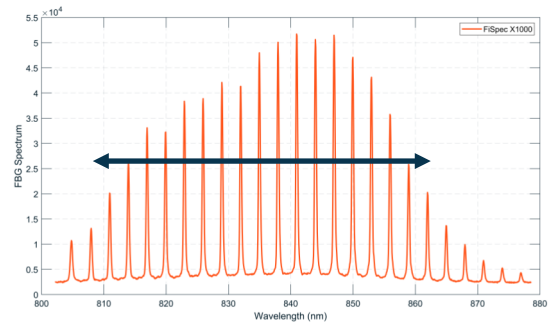
① Sensor Type

	Fiber	Application	Operating Temperature	Capillary Options (5)
P	SM800, Polyimide Coating	Strain, Temperature	-250...+300C	FI, PK, SSC, SI, HY
A	SM800, Acrylate Coating	Temperature	-40...+80C	FI, HY, PK
UHS	Pure Silica Core, Polyimide Coating	Strain	-250...+300C	FI
UHT	Pure Silica Core, No Coating	Temperature	-250...+800C	SSC, SI, AC

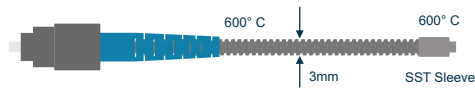
③ Wide Spectral Configuration
[for X100-X400]



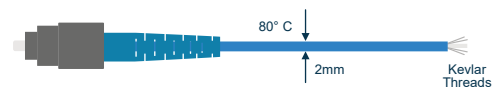
Narrow Spectral Configuration
[for X1000-X4000]



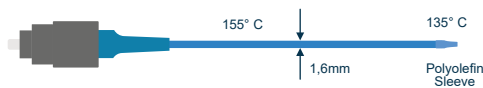
④ SST - Stainless Steel (1.4301)
Corrugated Tube



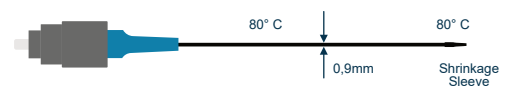
LSZ - Low Smoke Zero Halogen



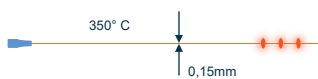
GL - Glass Textile



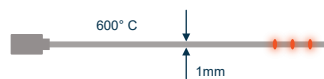
HY - Hytrel Buffer



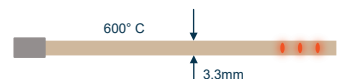
⑤ FI - Bare Fiber with
Polyimide Coating



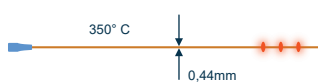
SSC - Stainless Steel
(1.4301) Capillary



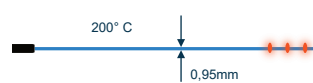
AC - Alumina Ceramic



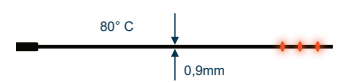
SI - Silica Capillary



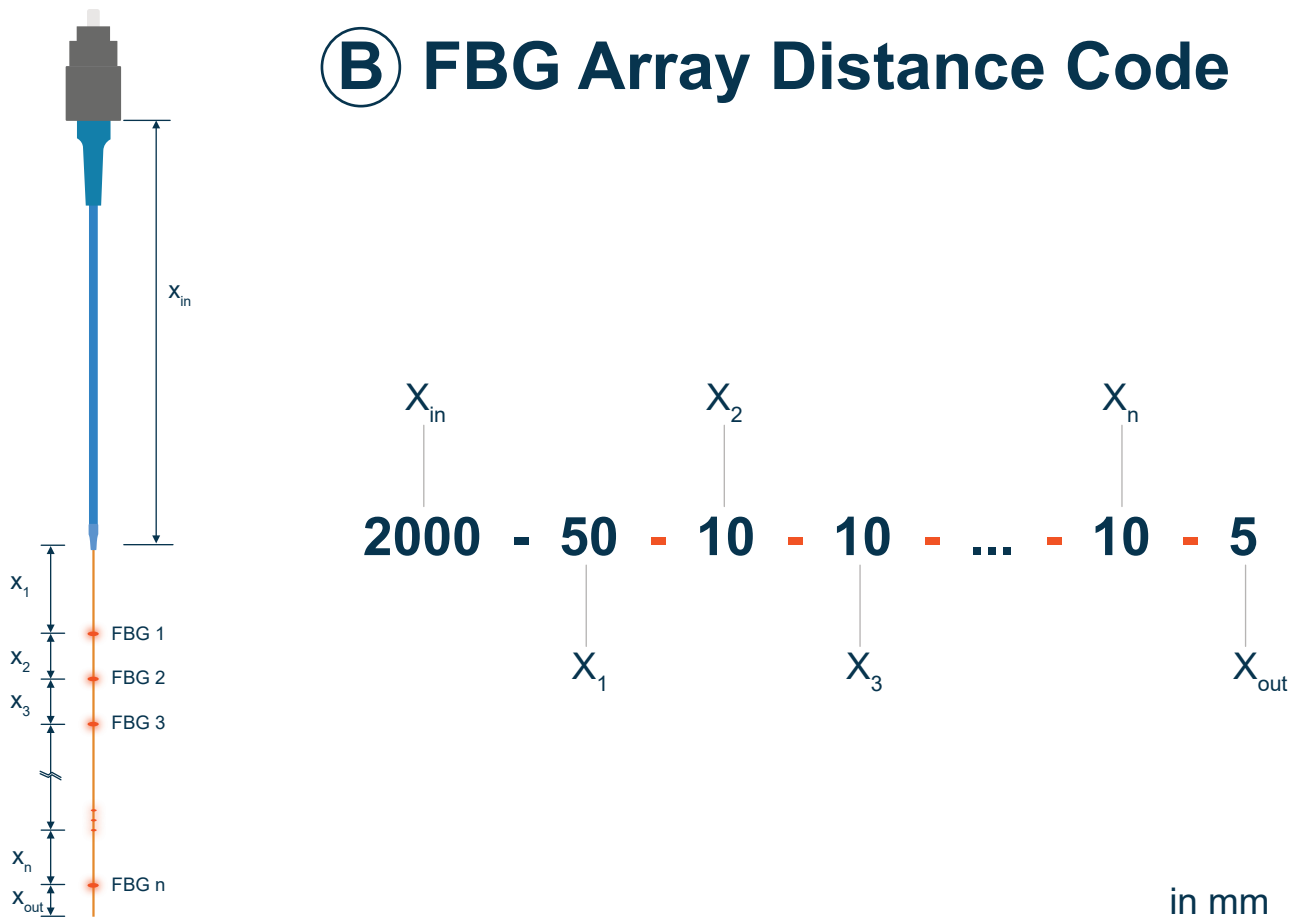
PK - PEEK Tubing



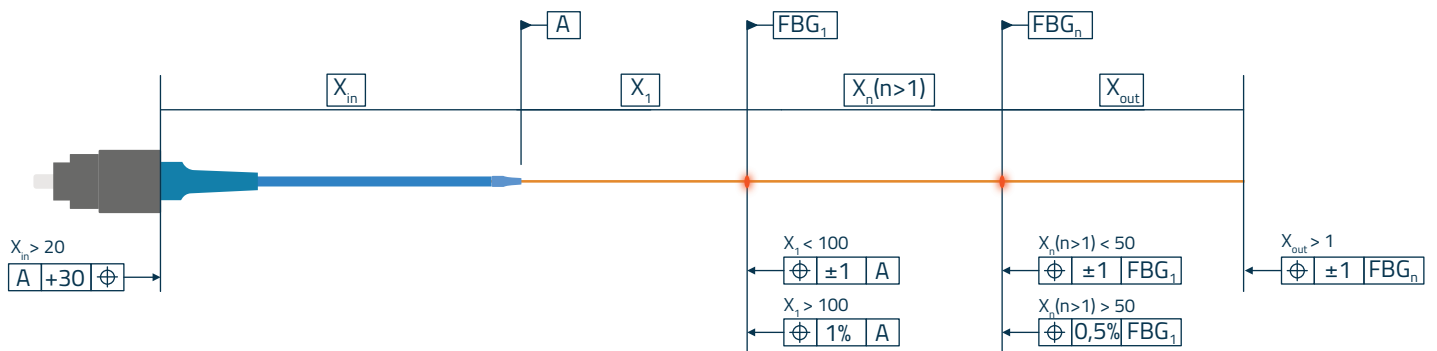
HY - Hytrel Tubing



Ⓑ FBG Array Distance Code



Length Tolerances (in mm)

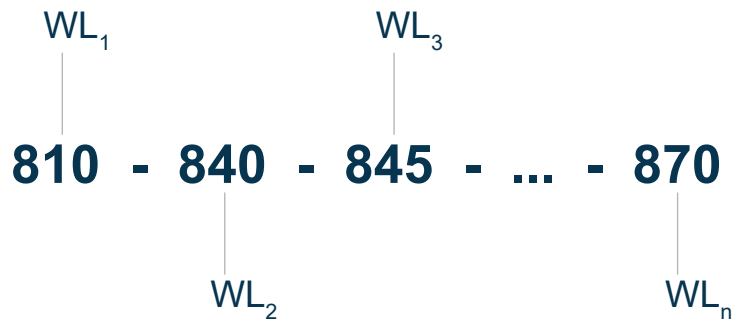


Length/Bending Limitations

	4. Lead-in Protection				5. Sensor Capillary				
	SST	LSZ	GL	HY	FI	SSC	SI	PK	AC
Crit. Bending Radius	15mm	10mm	5mm	5mm	5mm	100mm	20mm	40mm	-
Max length	10m	10m	5m	5m	500m	3m	2m	10m	1m
Min length	0,5m	0,5m	200mm	20mm	20mm	100mm	50mm	50mm	100mm

© Custom FBG Wavelength Code

(only required if custom spectral range “C” has been chosen in the FBG Array Part Number A)

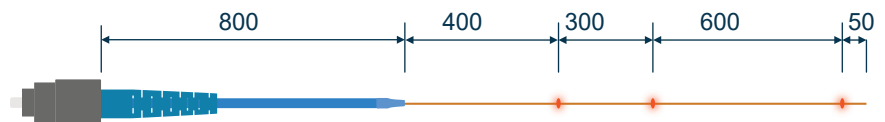


CWL Tolerance: 0,15nm

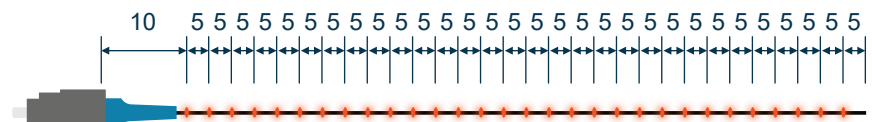
CWL Range: 800-900nm

Exemplary Order Codes

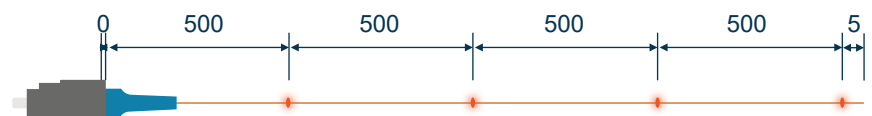
A: P-3-W-LSZ-SI
B: 800-400-300-600-50



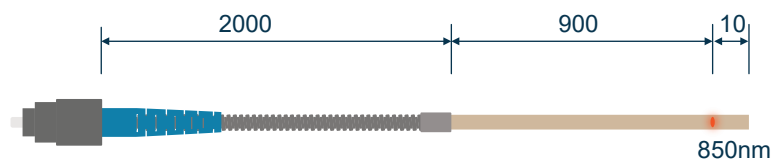
A: A-30-W-HY-HY
B: 10-5



A: UHS-4-C-NL-FI
B: 0-500-500-500-500-5
C: 830-840-850-860



A: UHT-1-C-SSC-AC
B: 2000-900-10
C: 850



in mm