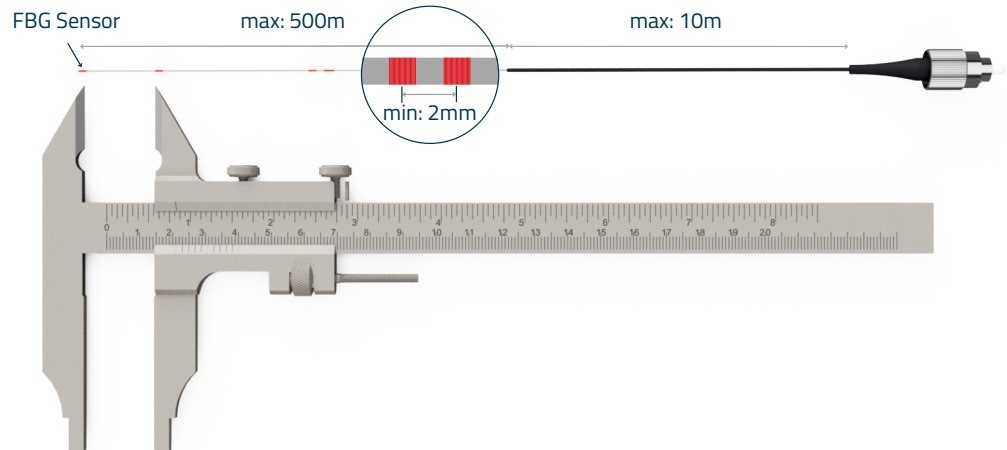


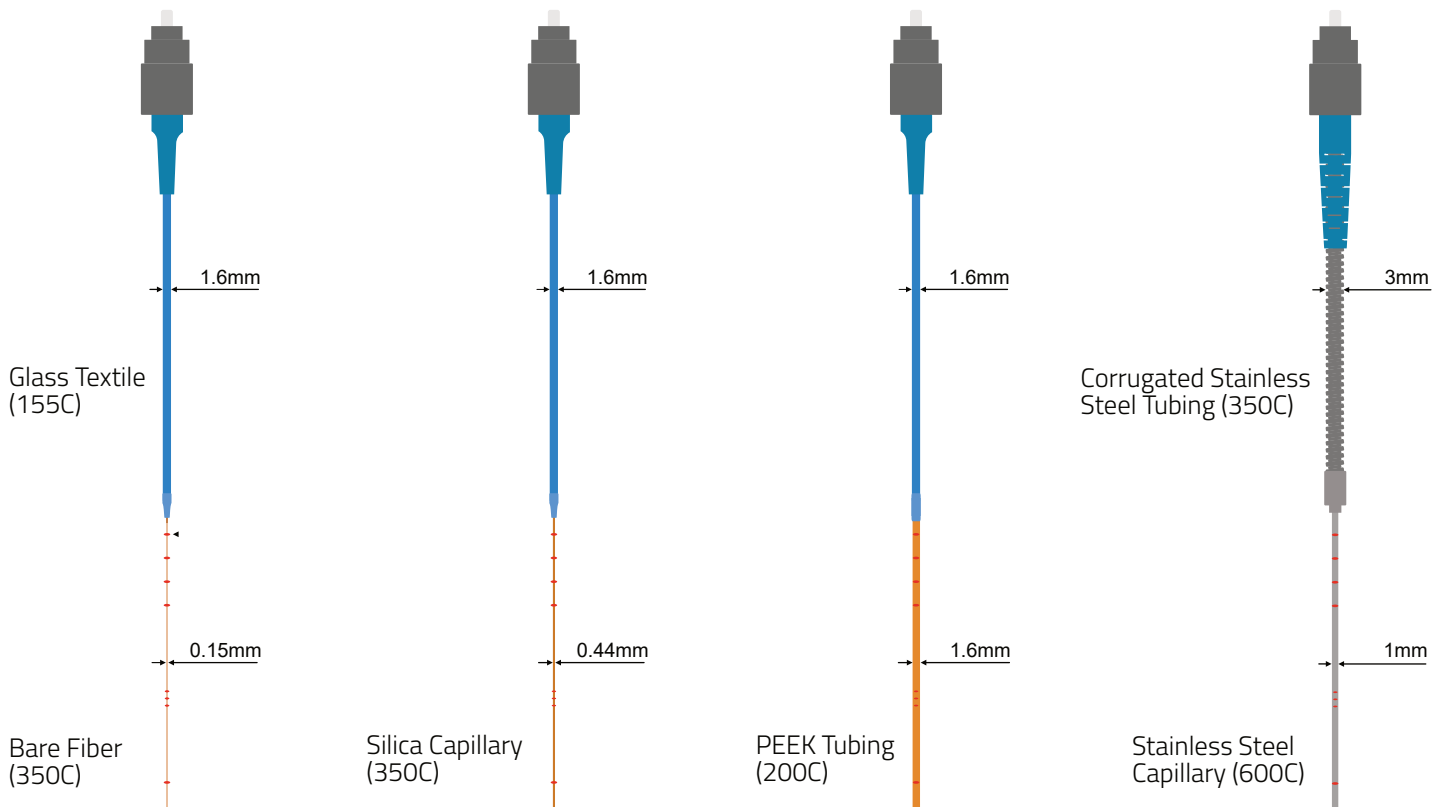
## Fiberoptic Rapid Prototyping

### Tailored FBG Arrays for FiSpec Interrogators at 850nm

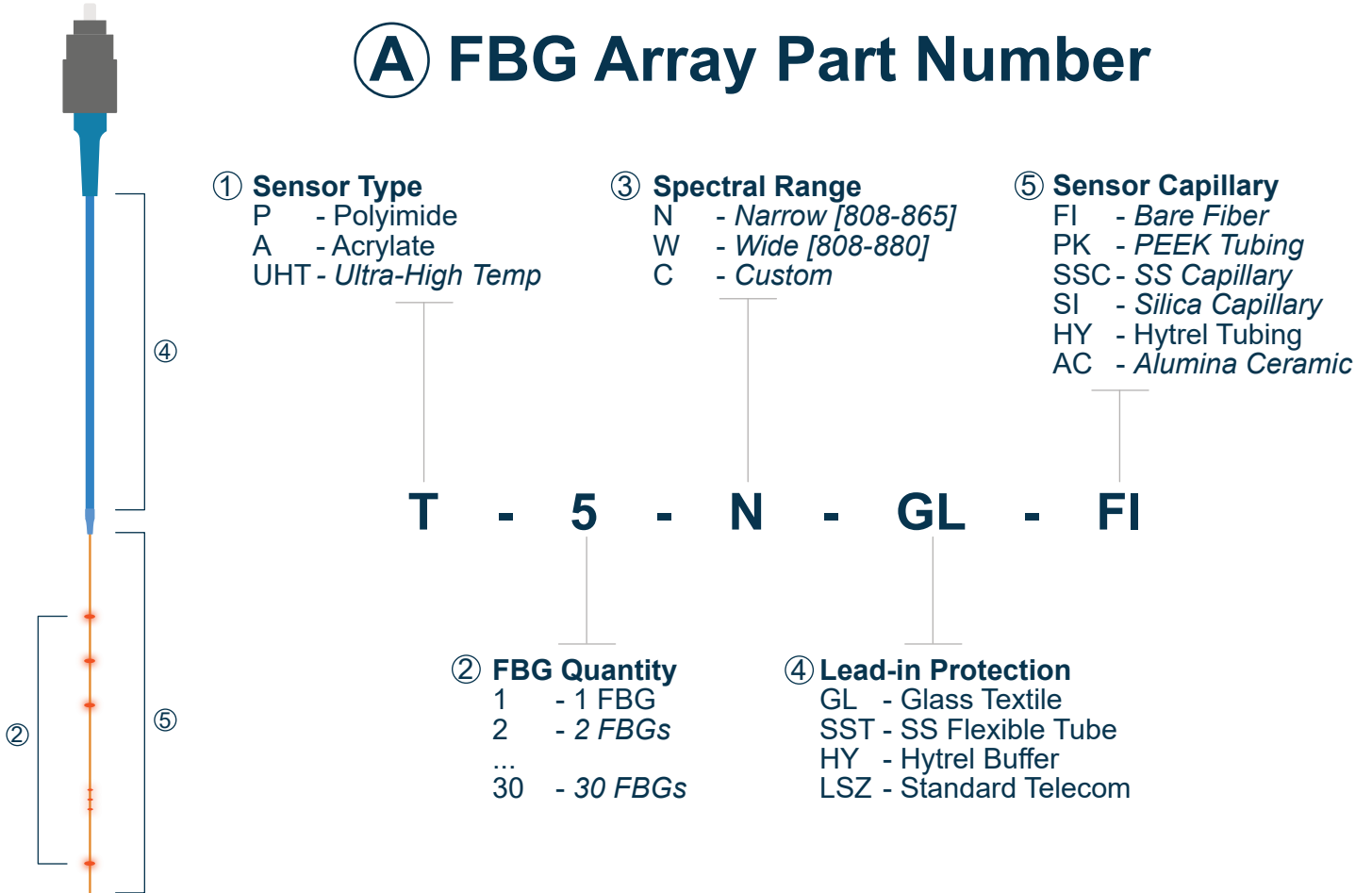
Up to 30 FBG at arbitrary Positions



### Off-the-shelf Packaging Options



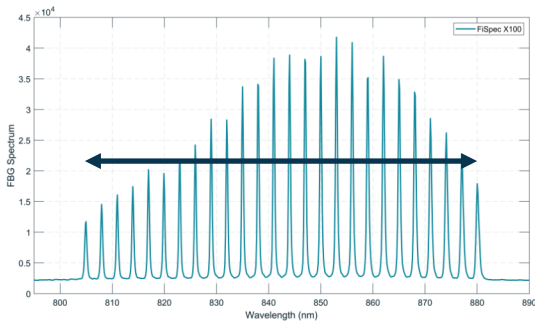
# A FBG Array Part Number



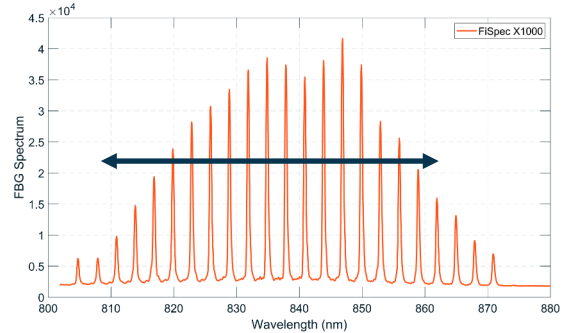
## ① Sensor Type

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

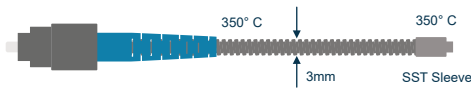
③ Wide Spectral Configuration  
[for X100-X400]



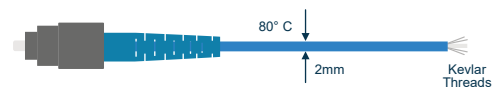
Narrow Spectral Configuration  
[for X1000-X4000]



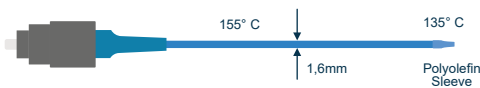
④ SST - Stainless Steel (1.4301)  
Corrugated Tube



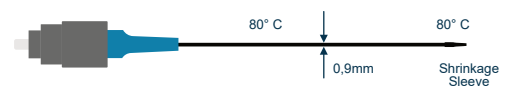
LSZ - Low Smoke Zero Halogen



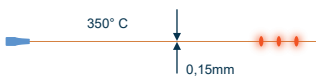
GL - Glass Textile



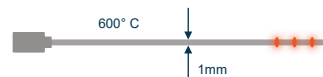
HY - Hytrel Buffer



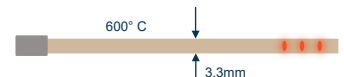
⑤ FI - Bare Fiber with  
Polyimide Coating



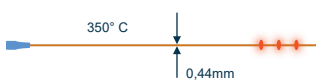
SSC - Stainless Steel  
(1.4301) Capillary



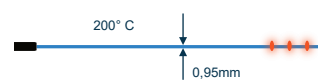
AC - Alumina Ceramic



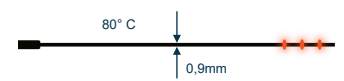
SI - Silica Capillary



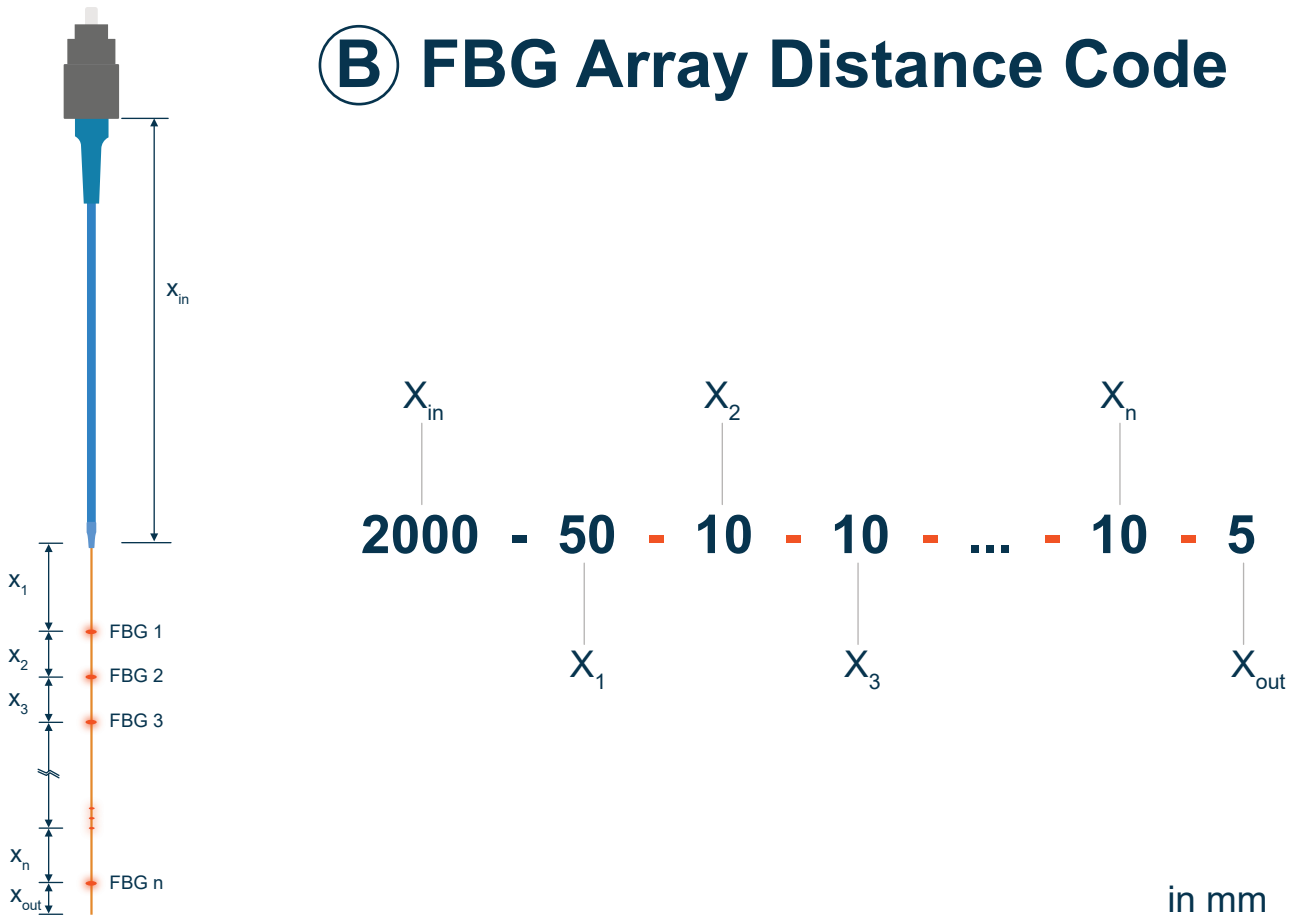
PK - PEEK Tubing



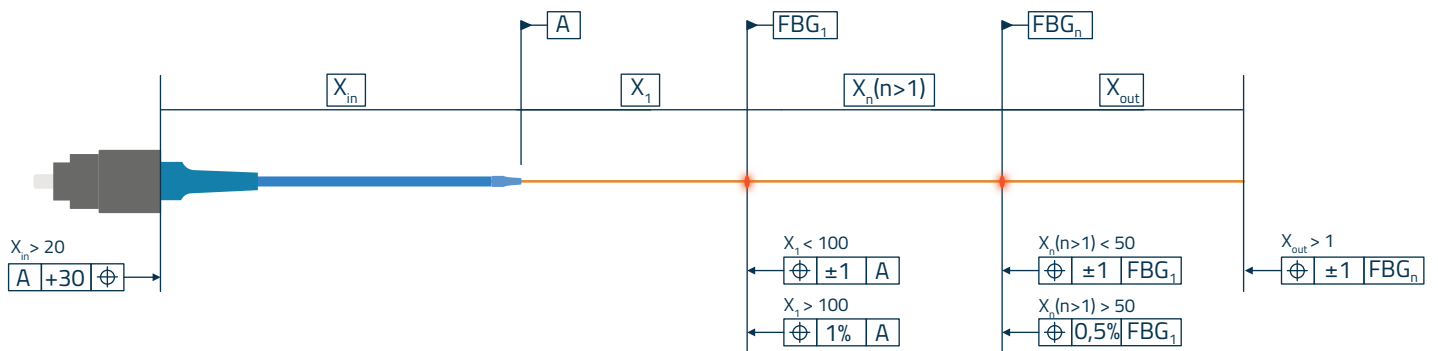
HY - Hytrel Tubing



# B) FBG Array Distance Code



## Length Tolerances (in mm)

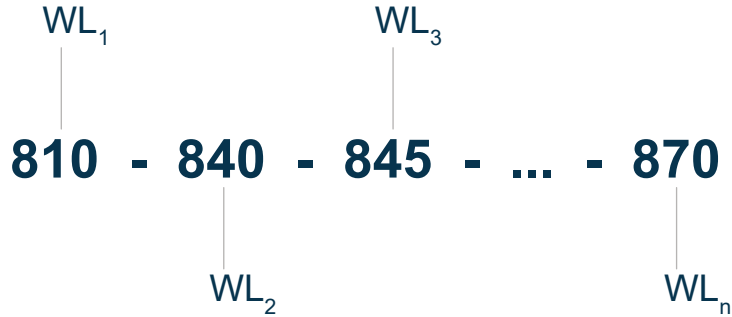


## Length/Bending Limitations

	4. Lead-in Protection				5. Sensor Capillary				
	SST	LSZ	GL	HY	FI	SSC	SI	PK	AC
<b>Crit. Bending Radius</b>	15mm	10mm	5mm	5mm	5mm	100mm	20mm	40mm	-
<b>Max length</b>	10m	10m	5m	5m	500m	3m	2m	10m	1m
<b>Min length</b>	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)

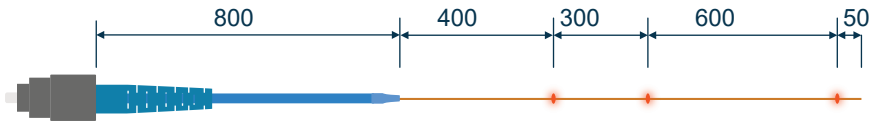


CWL Tolerance: 0,15nm

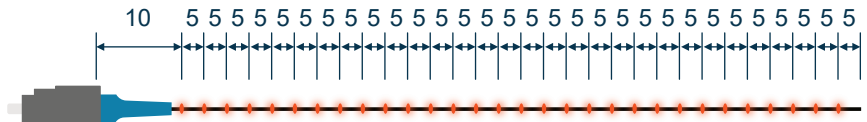
CWL Range: 800-900nm

## Exemplary Order Codes

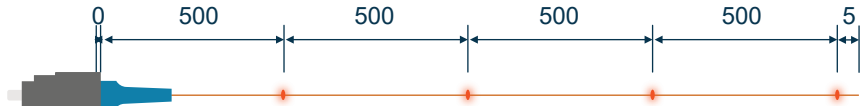
A: P-3-W-LSZ-SI  
B: 800-400-300-600-50



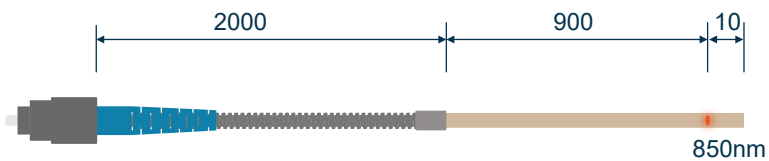
A: A-30-W-HY-HY  
B: 10-5



A: P-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