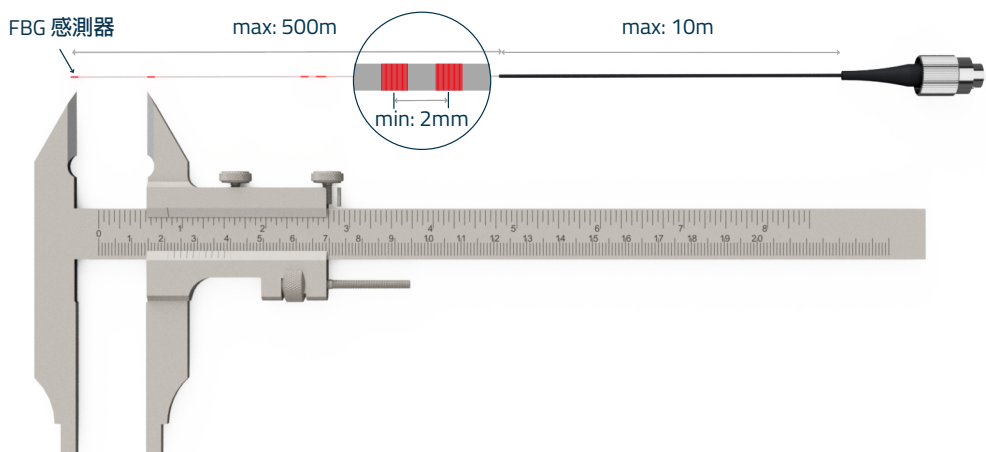


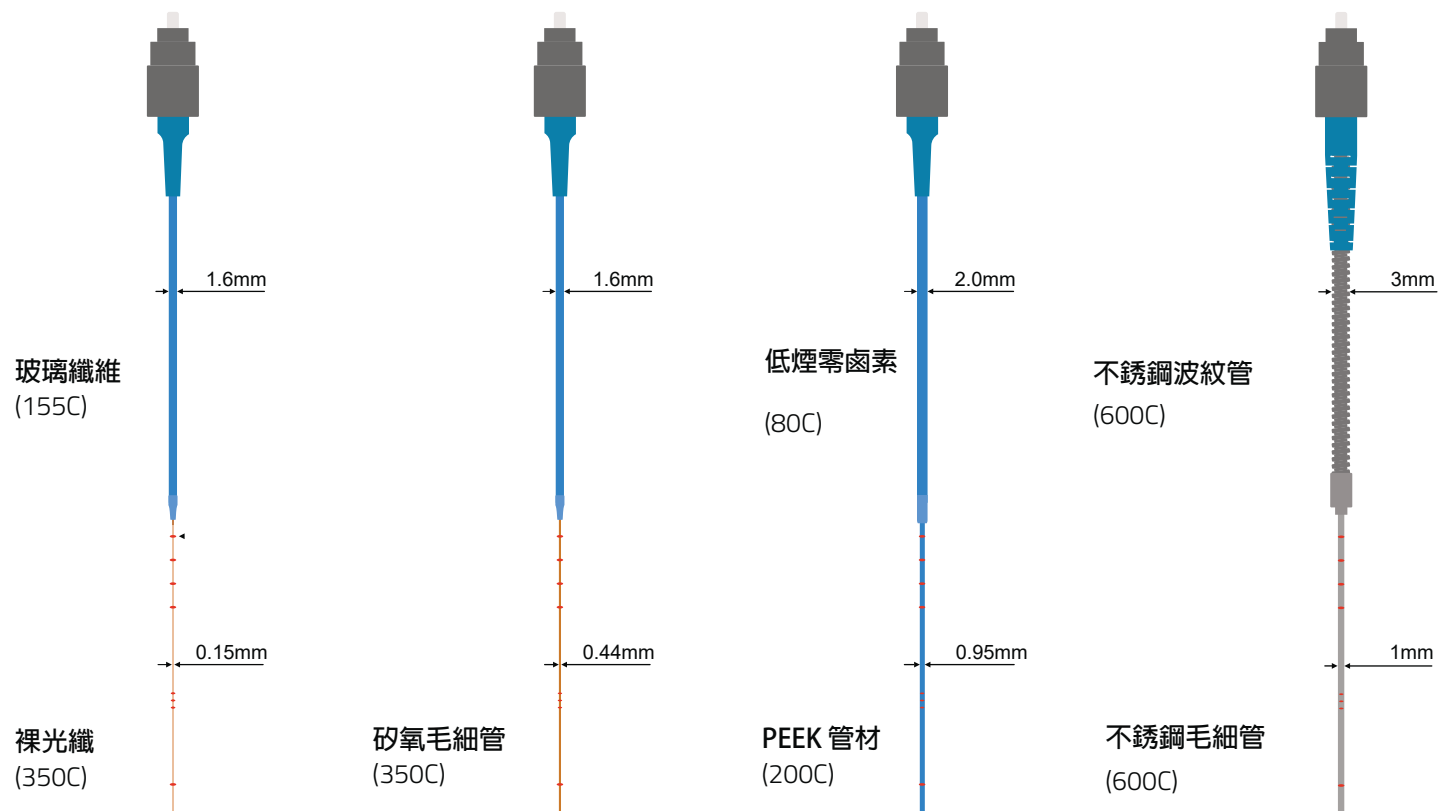
光纖快速原型製作技術

客製化 850nm FBG 陣列

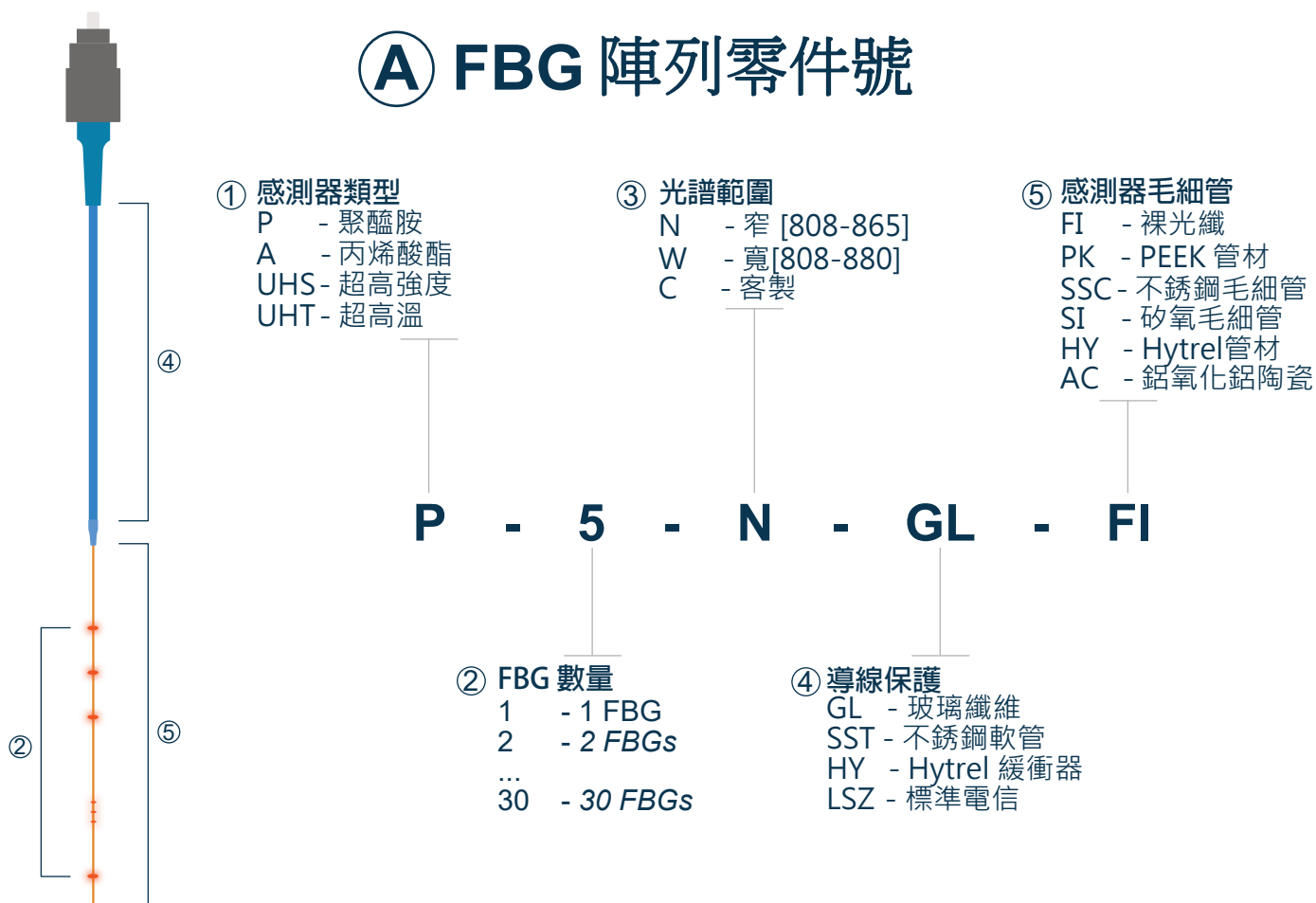
最多可達 30 個任意位置
的 FBG



現成的包裝選項



A FBG 陣列零件號

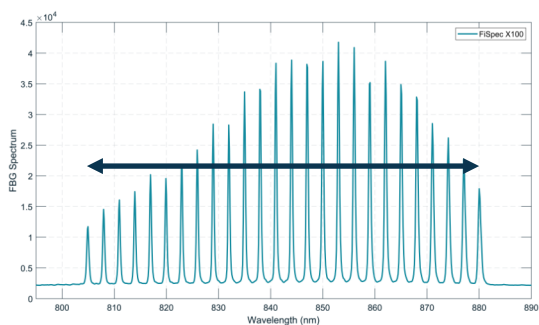


① 感測器類型

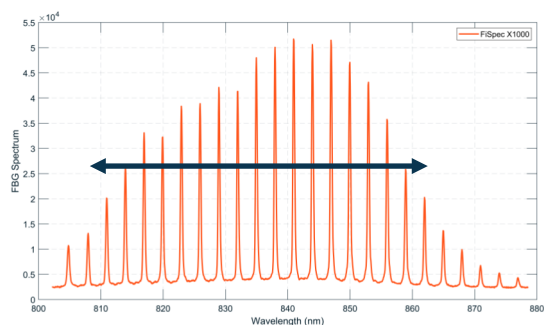
	纖維	應用	操作溫度	毛細管選項 (5)
P	SM800 聚酰亞胺塗層	應變，溫度	-250...+300°C	FI, PK, SSC, SI, HY
A	SM800 丙烯酸酯塗層	溫度	-40...+80°C	FI, HY, PK
UHS	純二氧化矽核心 聚酰亞胺塗層	應變	-250...+300°C	FI
UHT	純二氧化矽核心 無塗層	溫度	-250...+800°C	SSC, SI, AC

③

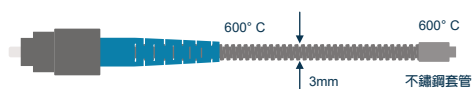
寬光譜配置
[適用於 X100-X400]



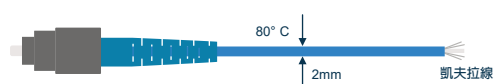
窄光譜配置
[適用於 X1000-X4000]



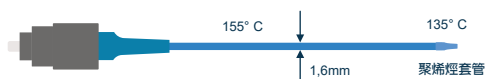
④ SST - 不鏽鋼 (1.4301) 波紋管



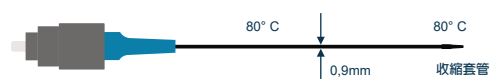
LSZ - 低煙零鹵素



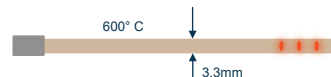
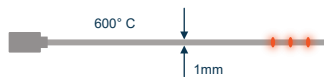
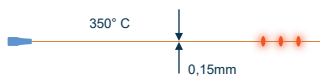
GL - 玻璃纖維



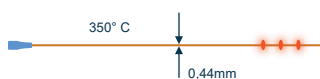
HY - Hytrel 緩衝器



⑤ FI - 有聚醯亞胺塗層的裸光纖 SSC - 不鏽鋼 (1.4301) 毛細管 AC - 氧化鋁陶瓷



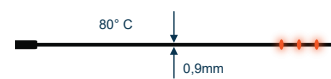
SI - 矽氧毛細管



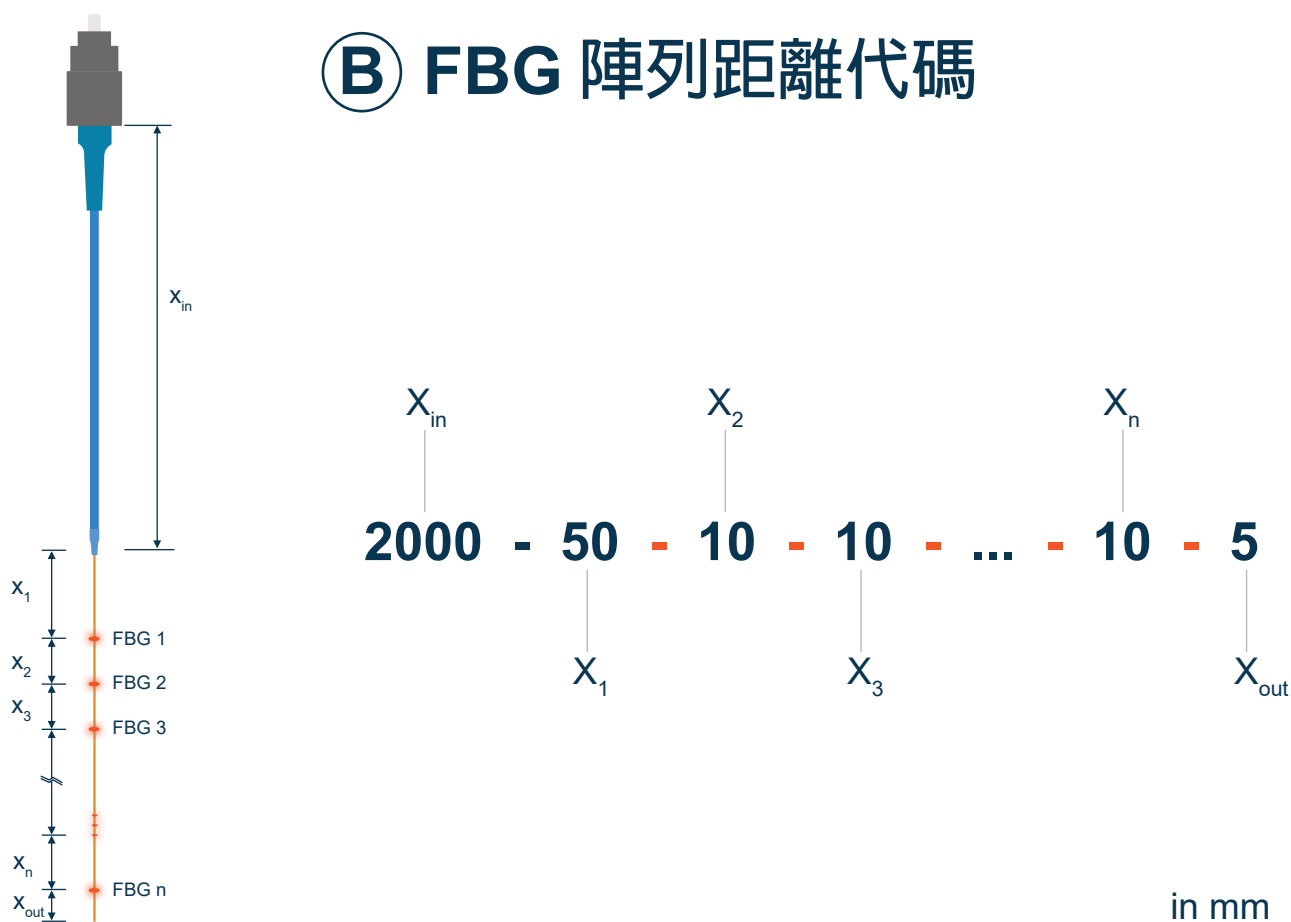
PK - PEEK 管材



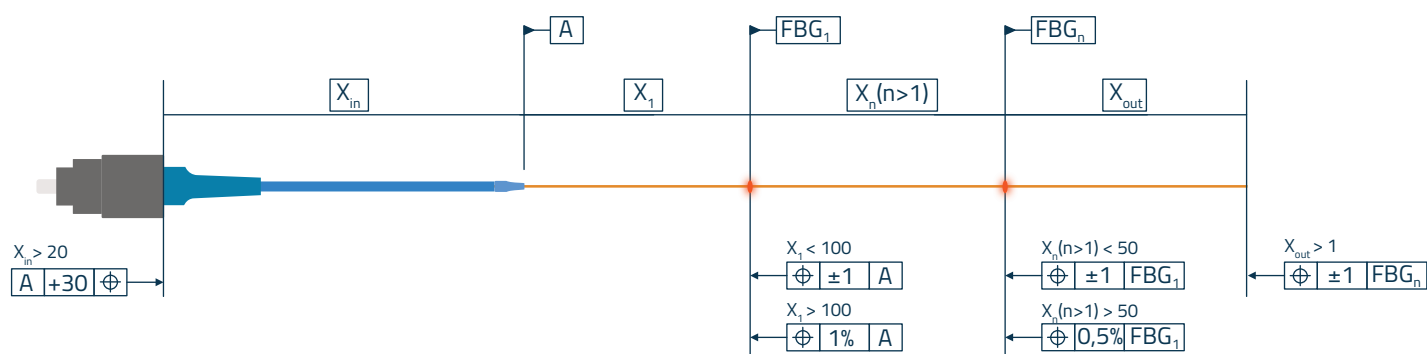
HY - Hytrel 管材



② FBG 陣列距離代碼



長度公差 (in mm)

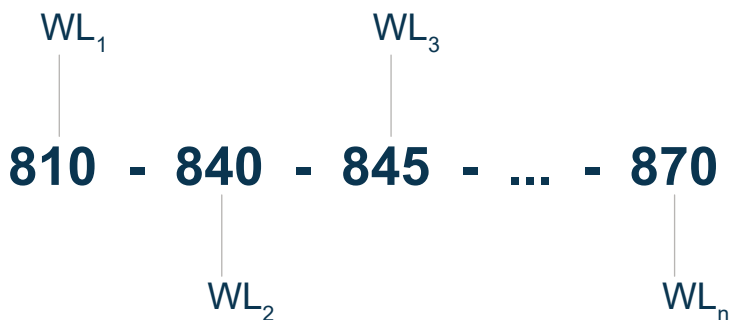


長度/彎曲限制

	4. 引線保護				5. 傳感器毛細管				
	SST	LSZ	GL	HY	FI	SSC	SI	PK	AC
關鍵彎曲半徑	15mm	10mm	5mm	5mm	5mm	100mm	20mm	40mm	-
最大長度	10m	10m	5m	5m	500m	3m	2m	10m	1m
最小長度	0,5m	0,5m	200mm	20mm	20mm	100mm	50mm	50mm	100mm

◎ 客製化 FBG 波長代碼

(僅在 FBG 陣列部件號 A 中選擇了自訂光譜範圍「C」時才需要)

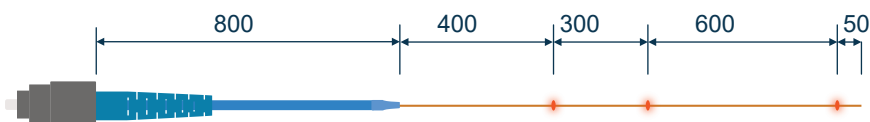


CWL 公差: 0,15nm

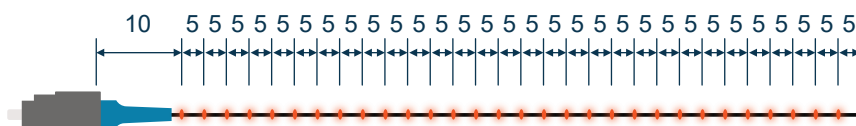
CWL 範圍: 800-900nm

訂單代碼範例

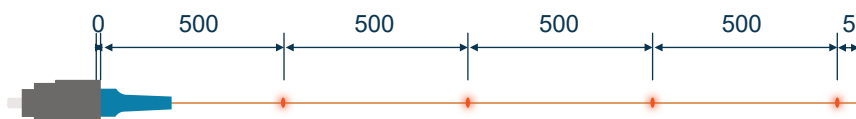
A: P-3-W-LSZ-SI
B: 800-400-300-600-50



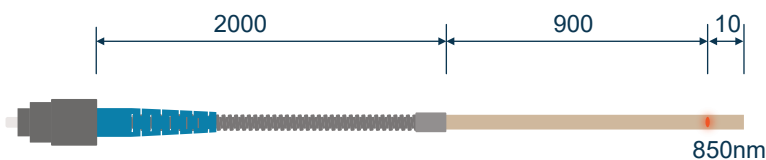
A: A-30-W-HY-HY
B: 10-5



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