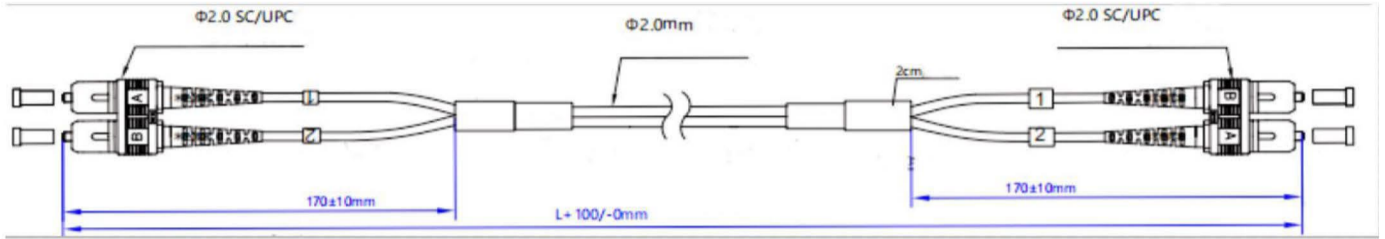


weltron®

90-1002-XXM

SINGLE MODE DUPLEX- 9/125 YELLOW SC/SC

Technical Specification



Connector Type	SM Boot Color	SM Frame Color
SC	Blue	Blue

1. Application

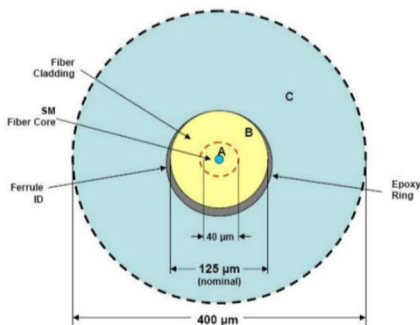
Fiber optic patch cords provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, and data centers and at the desk. Our Fiber Patch cords support network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR), and low smoke zero halogen (LSZH) rated jacket materials to comply with local cabling ordinances. Our patch cords are RoSH compliance and meet Telcordia GR326 requirements. And Our Pre-terminated fiber optic pigtails support fusion splice field termination applications. Fiber optic patch cords and pigtails are available in OM4, OM3, OM2, OM1, or OS1/ OS2 fiber types to meet the demands of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel.

2. Functional Specification

Parameter	Unit	SC LC SC fiber patch cord				ST		
		SM			MM	SM		MM
		PC	UPC	APC	PC	PC	UPC	PC
Insertion loss	dB	≤0.3	≤0.2	≤0.3	≤0.3	≤0.3	≤0.2	≤0.3
Return loss	dB	≥50	≥50	≥60	≥38	≥50	≥50	≥38
Operating wavelength	nm	1310,1550				1310,1550		
Exchangeability	dB	≤0.2			≤0.2			
Vibration	dB	≤0.2			≤0.2			
Temperature range	°C	-40 ~ 85			-40 ~ 85			
Cable diameter	mm	φ2.0/φ3.0			φ2.0/φ3.0			
Length	mtrs	1.2,3,4 etc.						

3. Interface Requirement

Single-mode fiber end face detection schemes



Unqualified type	A area (<25um)	B area (25 ~ 125um)	C area (125 ~ 250um)	C area (>250um)
Scratch (width)	NO	>2um:NO >1um:3 <1um:Regardless	>2um:NO	acceptable
Pits and should not wipe things (diameter)	NO	>5um:NO <5um:3 <1um:Regardless	>10um:NO SUM<20um	>30um:NO
Crack (diameter)	NO	NO	NO	single<20um, SUM<100um
dust	NO	NO	NO	NO
Rubber edge	width≤3um,length≤1/2 circle			