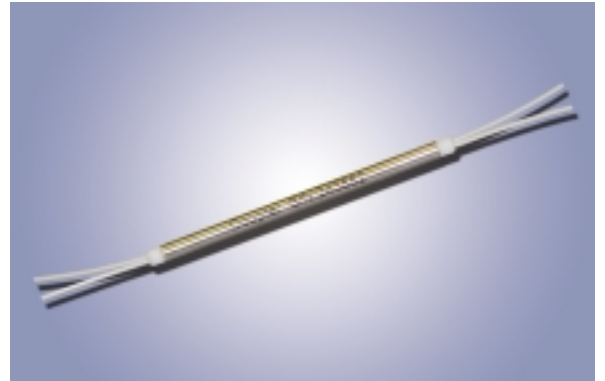




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Single Mode Couplers

Single Mode Couplers are used to distribute optical signals between fibers. We offer various types of single mode coupler including standard couplers, polarization independent couplers, wavelength independent couplers and wavelength flattened couplers. These couplers are highly stable. They have low insertion loss, low polarization sensitivity and excellent uniformity.



Types

- Single Mode **Standard** Couplers
- Single Mode **Polarization Independent** Couplers
- Single Mode **Wavelength Independent** Couplers
- Single Mode **Wavelength Flattened** Couplers

Applications

- Long Haul Telecommunications
- Test Equipment
- CATV System
- Fiber Optic Sensors
- Network Monitoring
- LAN, WAN Systems
- Subscribers Loop

Features

- Ultra Low Insertion Loss
- Ultra Low Polarization Sensitivity
- Dual-Window
- Various Coupling Ratio
- Wide Bandwidth
- Environmentally Stable
- Excellent Uniformity



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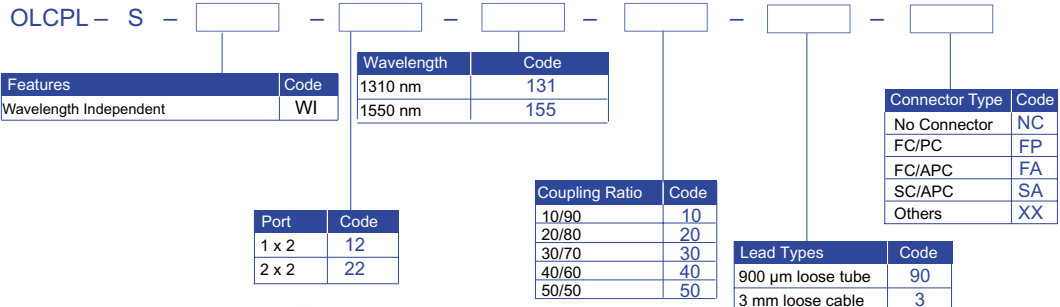
SPECIFICATIONS

Single Mode Couplers (1310nm or 1550nm)

Parameter		Wavelength Independent					Units
Operating Wavelength		1310 or 1550, others on request					nm
Bandwidth		+/-40					nm
Excess Loss		<0.10					dB
Coupling Ratio		10/90	20/80	30/70	40/60	50/50	%
Max. Insertion Loss		10.8/0.65	7.5/1.2	5.6/1.8	4.4/2.5	3.4	dB
Wavelength Dependent Loss (WDL)		0.35/0.1	0.35/0.2	0.35/0.3	0.35/0.3	0.3	dB
Polarization Dependent Loss (PDL)		0.10/0.05	0.10/0.05	0.10/0.08	0.10/0.08	0.08/0.08	dB
Thermal Stability		<0.002					dB/°C
Return Loss		>50					dB
Directivity	1x2	>50, >60 on request					dB
	2x2	>65					dB
Operating Temperature	250um bare fiber	-40 to +85					°C
	900um loose tube	-20 to +70					°C
	3mm loose cable	-20 to +70					°C

*Above specifications are for device without connectors.

ORDERING CODES



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