

Pigtails **Single Mode**















Pigtails Single Mode OPPISCU09B0020RI9

Ideal to attain a high quality performance on you final link, the Optronics Fiber Optic Pigtales are designed to reach a minimum insertion loss, with various types of fiber optic terminations such as SC, FC, ST, LC. The Optronics Fiber Optic Pigtail with connector side is used to link the equipment, while the other side of the pigtail is melted together with the fiber cable. The connector termination might be PC, UPC or APC, according to your needs. n.

CONNECTORS	FC	ST	SC	LC
Fastening	Threaded coupling	Bayonet fitting	Push-pull	Plug-in
Body	Metallic	Metallic	Plastic	Plastic
Ferrule	Ceramic	Ceramic	Ceramic	Ceramic
Ferrule diameter	2.5mm	2.5mm	2.5mm	1.5mm
Polish	PC/UPC/APC	PC/UPC	PC/UPC	PC/UPC
Ferrule tolerance	125.0± 1µm SM 126.0±1µM MM	125.0± 1µm SM 126.0± 1µM MM	25.0± 1µm SM 126.0± 1µM MM	125.0± 1µm SM 126.0± 1µM MM
Insertion loss	≤0.20 dB PC ≤0.30 dB UPC ≤0.45 dB APC	≤0.20 dB PC ≤0.30 dB UPC	≤0.20 dB PC ≤0.30 dB UPC ≤0.45 dB APC	≤0.20 dB PC ≤0.30 dB UPC
Return loss	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC
Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Durability	± 1db 500 Insertions	± 1db 500 Insertions	± 1db 500 Insertions	± 1db 500 Insertions
Boot color	Black PC Aqua 10G Blue UPC Green APC	Black PC Aqua 10G Yellow UPC	Beige PC Aqua 10G Blue UPC Green APC	White PC Aqua 10G White UPC

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1-6 cables					
blue	orange	green	brown	gray	white
					
7-12 cables					
red	black	yellow	purple	pink	aqua
					

Features

- Fiber Optic 900µm Tight Buffered.
- 6 or 12 cable groups, color coded based on TIA-598-A standards:
1-6 cables: blue, orange, green, brown, gray, white.
7-12 cables:red, black, yellow, purple, pink, aqua.
- IEEE 802.3u/802.3x/802.3z/802.3, IEC 60793-1-49, IEC 60793-3:2001 compliant.
- Temperature range -20°C up to 85°C.

SPECIFICATIONS				
Norms and Standards	IEEE 802.3u/802.3x/802.3z/802.3j, IEC 60793-1-49, IEC 60793-3: 2001			
Tight Buffer	Tight Buffer	900 µm		
	Type	Simplex		
Fiber optic	Core diameter	Fiber	Value	
		50/125µm, 50/125µm 10G 62.5/125µm, 9/125µm	± 0.70mm	
	Cladding diameter	125.0 ± 2.0µm		
	Core concentricity	≤1.5µm		
	Cladding concentricity	≤1.0%		
	Wavelength	Multimode:	850 nm	1300 nm
		Single mode:	1310 nm	1150 nm
	Maximum value dB/Km	≤0.03	≤0.02	
	Recommended Light source	Multimode:	VCSEL	
		Single mode:	Laser	
	Bandwidth	62.5/125µm	160MHz/Km at 850nm	
500MHz/Km at 1300nm				
50/125µm		500MHz/Km at 850nm		
		500MHz/Km at 1300nm		
50/125µm 10G	2000MHz/Km at 850nm			
	500MHz/Km at 1300nm			
9/125µm	Over 20GHz			