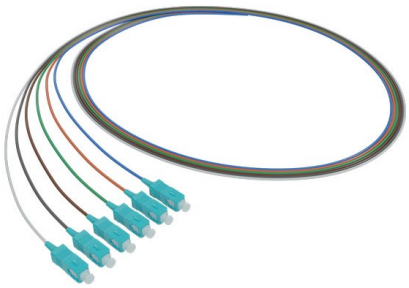
CERTECH CERTIFIED TECHNOLOGIES

FIBRE PIGTAILS, SC OM4, 2M LENGTH - 6 PACK

Technical Overview

CERTECH Fibre Optic Pigtails provide a high-performance solution for reliable fibre termination in structured cabling and FTTx networks. Factory-terminated connectors ensure consistent low insertion loss and superior optical performance when used with fusion splicing. Designed for compatibility with industry-standard enclosures, they support efficient installation across enterprise, data centre and access network environments.



Standards

AS/NZS 14763.3	Australian Fibre Testing Standard
AS/CA S008	Australian Manufacturing Requirements
AS 11801 series	Australian Performance Standard
IEC 61300 Series	Fibre Connector Performance Testing
G.657.A2	Fibre Core Construction (Bend Insensitive)
TIA-598-E	Fibre Core Colour Code

Features

- ✓ G.657.A2 Bend insensitive fibre for reduced bend attenuation and improved flexibility
- ✓ Precision factory-terminated connectors for consistent end-face geometry and performance
- ✓ TIA-598 Colour coding for standardised fibre identification

Product

Product Code
FPTSCOM46

Description
Fibre Pigtails, SC OM4, 2m Length - 6 Pack

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Technical Specifications

Geometrical Characteristics			
Cladding Diameter	--	125±2	μm
Core Non-Circularity	--	≤5.0	%
Core Diameter	--	50±2.5	μm
Cladding Non-Circularity	--	≤2.0	%
Coating-Cladding Concentricity Error	--	≤12.0	μm
Core-Cladding Concentricity Error	--	≤1.5	μm

Cable Construction Details

Fibre Count	Fibre Type	Tight Buffer	Cable Weight
1F	MM OM4	0.9±0.05mm	≒ 0.85 kg/km
Fibre	Material	OM4	
	Colour	Natural	
Tight Buffer	Material	LSZH	
	Colour	Blue, Orange, Green, Brown, Grey, White	
	Diameter	0.9±0.05mm	
Installation Temperature range（℃）		-10℃ ~+60℃	
Operation and transport temperature（℃）		-20℃ ~+70℃	
Min Bending Radius (mm)		30mm	
Tensile Strength (N)	Max	15	
Crush Load (N/100mm)	Long-term	50	
	Short-term	80	

Standard Colour of Tight Buffer

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White

Fibre characteristic

Characteristic	Condition	Specified values	Units
Optical Characteristic			
Attenuation	850nm	≤0.3	dB/km
	1300nm	1.5	dB/km
Relative Wavelength Attenuation Change @1310nm,@1550nm	1282-1330nm	--	dB/km
	1525-1575nm	--	dB/km
Dispersion over Wavelength Range	1285-1340nm	--	ps/(nm.km)
	1550nm	--	ps/(nm.km)
	1625nm	--	ps/(nm.km)
OFL Bandwidth	850nm	≥3500	MHz.km
	1300nm	≥500	MHz.km
Effective Modal Bandwidth	850nm	≥4700	MHz.km
Zero-dispersion Wavelength	--	--	nm
Zero-dispersion Slope	1310nm	--	$ps/\sqrt{km}$
Application support Distance on 10G Ethernet SX	--	550	m