

TECHNICAL DATASHEET

for

0.9mm Pigtail Series

(SC/LC/FC/ST connectors)



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Pigtails Series

OPF provides a high precise optical pigtail for the construction of optical network. We give user a wide choice of pigtail's connectors, including ST, FC, SC, LC and etc. with PC, UPC or APC polishing. OPF pigtail is composed of high-grade connectors and the ferrule is made of zirconia. Customer can order the common type pigtail we offered as well as the special type customized by customer for special application.



1. FEATURES

- Compact design
- Low insertion loss and high return loss
- Conform to ITU-T G652D or others
- High reliability suitable for both single mode and multiple mode
- Wide wavelength range
- Large operation temperature range
- Customized configuration

2. APPLICATIONS

- FTTx construction
- Optical network construction
- LAN, WAN and metro networks
- CATV

3. SPECIFICATION

FTTx cable (with common strengthen member)	
Connector Type	SC/FC/ST/LC/MU/Nil (non-connector)/ E2000/MTRJ(W/O)/MTRJ(W)/DIN
Polishing Type	SM: UPC/APC, MM: None
Fiber Type	Singlemode, multimode, (50/125 or 62.5/125)
Working wavelength (nm)	850/1300/1310/1490/1550
Single fiber protection	Nylon 0.9mm on diameter
Strength member of cord	Kevlar
Fiber insertion loss (dB)	<0.2dB
Connector insertion loss (dB)	<0.3dB
Connector return loss (dB)	UPC ≥55(dB), APC ≥60dB
Repeatability (500 times) (dB)	0.2dB
Bending radius (mm)	≥15
Tensile strength (kg/100mm)	≤8
Working temperature (°C)	-20~+80°C
Storage temperature (°C)	-20~+80°C
Working humidity (°C)	<90%RH
Sheath diameter (mm)	2x3.1
Sheath color	Yellow for SM fiber, orange for MM type, customized
Connector length (mm)	50mm
Fiber length (m)	customized