



Cabled Pigtails

Cabled pigtails are used for the termination of optical cables via fusion or mechanical splicing. They consist of a high quality 2mm or 3mm LSZH cable that allows more robust handling. They are terminated with an optimized connector for low insertion loss and low back reflection. They fully conform to IEC, TIA/EIA and Telcordia standards.

Features

- No need to be protected inside a panel or a wall box
- Can be fed through tight spaces and spliced or terminated
- Fibre options and wide range of connector available
- Other fibre types and cable diameters available on request
- REACH, RoHS and SvHC compliant
- Standard cable diameters are 2mm for LC and MU and 3mm for SC, ST and FC
- Tight Buffer 900µm buffer internal construction as standard (easy strip available on request)

Applications

- CATV / VIDEO
- Passive Optical Network PON
- WDM / DWDM
- FTTH
- Data centers - Supports high speed multi-channel video, data and voice services in metropolitan and access networks
- ATM, SONET and WDM

Specifications

Connector Specification

OPTICAL PERFORMANCE	SINGLEMODE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25dB	0.25dB	IEC 61300-3-4
Ave/Master	0.18dB	0.15dB	IEC 61300-3-4
Ave/Random	0.18dB	0.20dB	IEC 61300-3-34
Return Loss*	55/65dB	>28dB	IEC 61300-3-6

Note: Multimode Return Loss >28dB based on sample data using method IEC 61300-3-6

Connector Performance

CHARACTERISTICS

Cable Material	LSZH
Strength Member	Aramid
Crush (N)	1000
Operating Temperature (°C)	-20 to +60
Fire Specification	IEC 60332-1

*Cable materials to suit alternate fire specifications on request

Ordering Information

	Connector		Fibre Type		Configuration		Length	
	Code	Connector	Code	Fibre Type	Code	Configuration	Code	Length
OPTC	00	LC	9	G.652.D	1	Simplex	01	1m
	01	LCA	1	OM1	2	Duplex	02	2m
	02	SC	2	OM2	3	Flat Duplex	03	3m
	03	SCA	3	OM3			05	5m
	04	ST	4	OM4			10	10m
	05	FC	A1	G.657.A1		
	06	FCA	A2	G.657.A2			xx	Specify
	07	E2						
	08	E2A						
	09	MU						
	10	MTRJ						

Example order code

OPTC - 01 - 9 1 - 01

Cabled Pigtail LC/APC Singlemode G.652.Simplex 1m

OPTC - 02 - 1 2 - 02

Cabled Pigtail SC/UPC Multimode OM1 Duplex 2m