

# FIBRE PIGTAIL

Fibre pigtails are used in permanent connections between patch panels and incoming cables / single blown fibres. Pigtails are preconstructed with connectors. Connector options include small form factors such as LC, E2000 and MT-RJ as well as SC, FC and ST. These are based on 900µm tight buffered cores (600µm MT-RJ) and suitable for internal use only inside suitable Fibre Management Systems.



## COMPLIANCE

ISO/IEC 11801  
 EN50173 -1,ANSI TIA/EIA 568B  
 ITU-T G652.B OS1  
 ITU-T G652.D OS2  
 ITU-T G651.1 OM1 OM2 OM3 OM4

## MECHANICAL DATA

Crush (N)	800
Impact (Nm)	0.2
Operating Temperature	-10°C to +70°C
Installation temperature	0°C to +70°C
Temp - Installation	0°C to +70°C
Bend Radius	50mm (min)

## OPTICAL CHARACTERISTICS (FIBRE)

Fibre Type	Max. Attenuation (dB/km)				Min. Overfill Launch Bandwidth (Mhz•km)		Min. Gigabit Ethernet Link Distance (m)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10Gigabit
							850nm	1300nm	850nm
OM1 62.5/125µm	≤2.7	≤0.6	-	-	≥200	≥600	275	550	-
OM2 50/125µm	≤2.5	≤0.7	-	-	≥500	≥500	550	550	-
OM3 50/125µm	≤2.3	≤0.6	-	-	≥1500	≥500	1000	600	300
OM4 50/125µm	≤2.3	≤0.6	-	-	≥3500	≥500	1000	600	550
OS1 9/125µm	-	-	≤0.34	≤0.20	-	-	-	-	-
OS2 9/125µm	-	-	≤0.34	≤0.24	-	-	-	-	-

## OPTICAL PERFORMANCE DATA (CONNECTOR)

	ST PC/UPC/APC	SC PC/UPC/APC	FC PC/UPC/APC	MT RJ	LC (MM/SM)
Insertion Loss (dB) Max.	≤0.3	≤0.3	≤0.3	≤0.6	≤0.3/0.2
Insertion Loss (dB) Typical.	≤0.2	≤0.2	≤0.2	≤0.3	≤0.2/0.1
Return Loss SM(dB)	20.0	20.0	20.0	20.0	20.0
Return Loss MM(dB)	≥45/≥50/≥60	≥45/≥50/≥60	≥45/≥50/≥60	≥45	≥45

# FIBRE PIGTAIL

## ORDERING INFORMATION

### LC PIGTAIL

Description	Part Number	
	OS1	OS2
Singlemode	OS1	OS2
LC/PC 1m PVC	341-10S1L110	341-10S2L110
LC/PC 1.5m PVC	341-10S1L115	341-10S2L115
LC/PC 2m PVC	341-10S1L120	341-10S2L120
LC/PC 3m PVC	341-10S1L130	341-10S2L130
LC/PC 1m LSZH	342-10S1L110	342-10S2L110
LC/PC 1.5m LSZH	342-10S1L115	342-10S2L115
LC/PC 2m LSZH	342-10S1L120	342-10S2L120
LC/PC 3m LSZH	342-110S1L130	342-10S2L130
LC/APC 1.5m PVC	341-10S1L315	341-10S2L315

Description	Part Number			
	OM1	OM2	OM3	OM4
Multimode	OM1	OM2	OM3	OM4
LC/PC 1m PVC	341-10M1L110	341-10M2L110	341-10M3L110	341-10M4L110
LC/PC 1.5m PVC	341-10M1L115	341-10M2L115	341-10M3L115	341-10M4L115
LC/PC 2m PVC	341-10M1L120	341-10M2L120	341-10M3L120	341-10M4L120
LC/PC 3m PVC	341-10M1L130	341-10M2L130	341-10M3L130	341-10M4L130
LC/PC 1m LSZH	342-10M1L110	342-10M2L110	342-10M3L110	342-10M4L110
LC/PC 1.5m LSZH	342-10M1L115	342-10M2L115	342-10M3L115	342-10M4L115
LC/PC 2m LSZH	342-10M1L120	342-10M2L120	342-10M3L120	342-10M4L120
LC/PC 3m LSZH	342-10M1L130	342-10M2L130	342-10M3L130	342-10M4L130

## ORDERING GUIDE

Fibre Pigtail	Jacket	Thickness	Fibre Type	Connector	Polish	Length
34	1:PVC 2:LSZH	1:0.9mm	OM1	S:SC	1:PC	10:1m
		2:1.6mm	OM2	T:ST	2:UPC	15:1.5m
		3:2.0mm	OM3	F:FC	3:APC	20:2m
		4:3.0mm	OM4	L:LC	4:APC 8°	25:2.5m
			OS1	M:MTRJ		30:3m
			OS2	E:E2000		