

# 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

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## ORDERING INFORMATION

### LC PIGTAIL

Description	Part Number	
Singlemode	OS1	OS2 (G657.A1)
LC/APC 1m PVC	341-10S1L310	341-17A1L310
LC/APC 1.5m PVC	341-10S1L315	341-17A1L315
LC/APC 2m PVC	341-10S1L320	341-17A1L320
LC/APC 3m PVC	341-10S1L330	341-17A1L330
LC/APC 1m LSZH	342-10S1L310	342-17A1L310
LC/APC 1.5m LSZH	342-10S1L315	342-17A1L315
LC/APC 2m LSZH	342-10S1L320	342-17A1L320
LC/APC 3m LSZH	342-110S1L330	342-17A1L330

Description	Part Number			
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 2:1.6mm 3:2.0mm 4:3.0mm	OM1 OM2 OM3 OM4 OM5 OS1 OS2 7A1 = G657.A1 7A2 = G657.A2 7B2 = G657.B2 7B3 = G657.B3 500 = G655	S:SC T:ST F:FC L:LC M:MTRJ E:E2000	1:PC 2:UPC 3:APC 4:APC 8°	10:1m 15:1.5m 20:2m 25:2.5m 30:3m