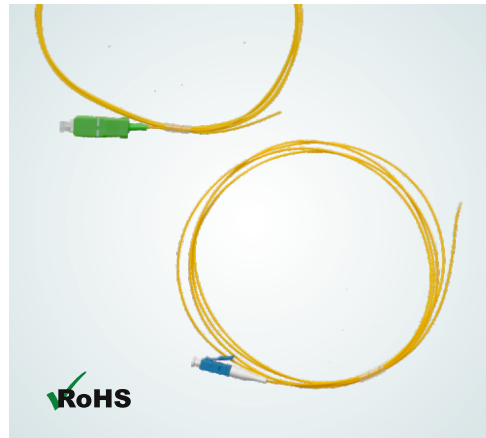


FIBRE PIGTAIL E-SERIES

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
 LSZH : IEC 60332-1
 IEC 60332-1-2,IEC 60332-3-24

MECHANICAL DATA

Crush (N)	800
Impact (Nm)	0.2
Operating Temperature	-20°C to +70°C
Storage temperature	-20°C to +70°C
Mating Durability	700 Cycles
Torsion	±180°
Bend Radius	50mm (min)
Jacket Colour (Single Mode: OS1 & OS2)	Yellow
Jacket Colour (Multimode: OM3)	Aqua

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
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	-	-	-	-	-

FIBRE PIGTAIL E-SERIES

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

ORDERING GUIDE

Fibre Pigtail	Jacket	Thickness	Fibre Type	Connector	Polish	Length
NPT	1:PVC 2:LSZH	1:0.9mm 2:1.6mm 3:2.0mm 4:3.0mm	OS2 OM3	S:SC L:LC	1:PC 2:UPC 3:APC	10:1m 15:1.5m 20:2m 25:2.5m 30:3m

Example 1:

NPT 2 1 OM3 S 2 1 5

Description: SC/UPC SM OM3 Fibre Pigtail LSZH, 1.5m

Example 2:

NPT 1 1 OS2 L 3 1 5

Description: LC/APC SM OS2 Fibre Pigtail PVC, 1.5m