



FIBER OPTIC PIGTAILS



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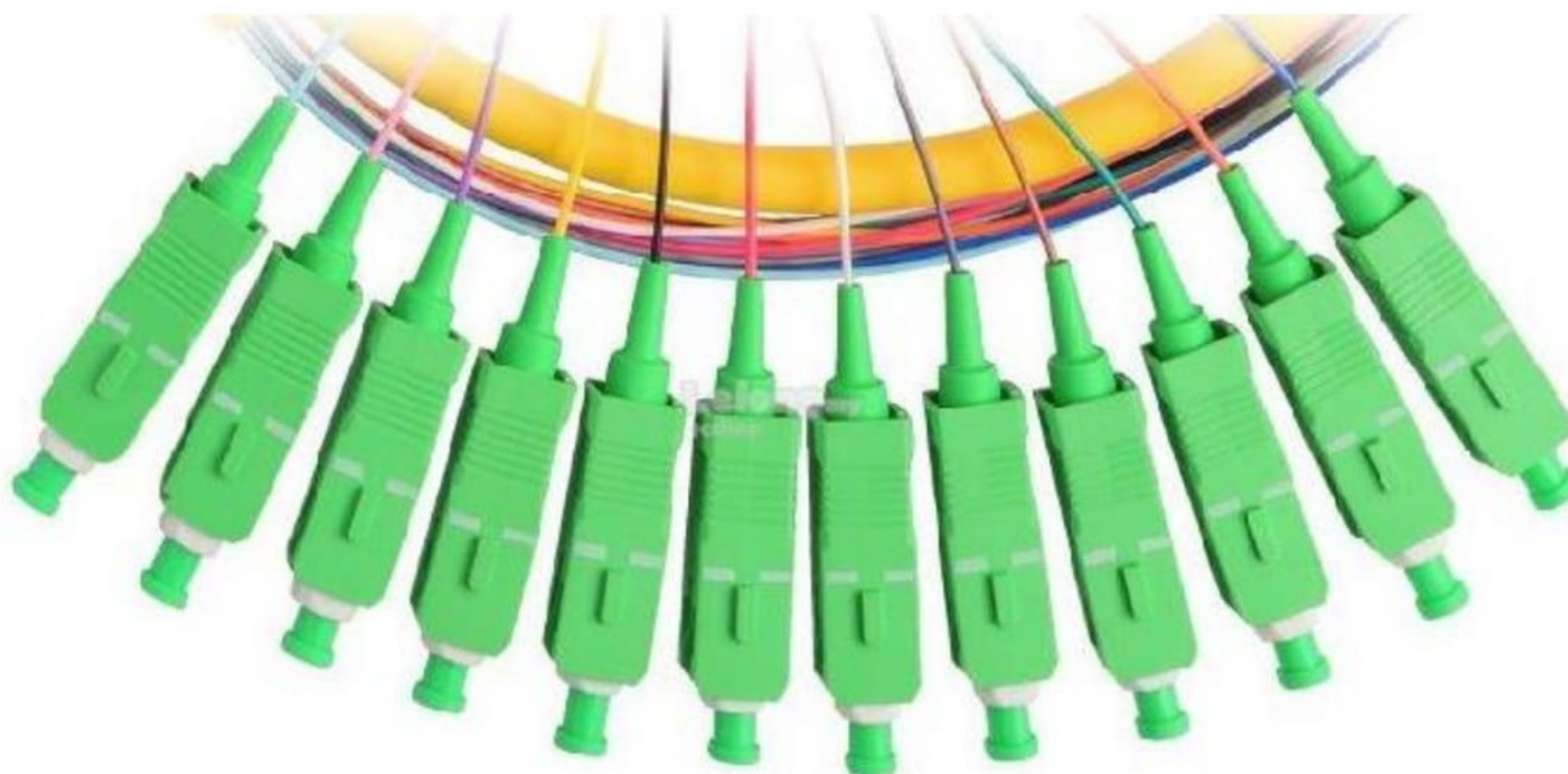
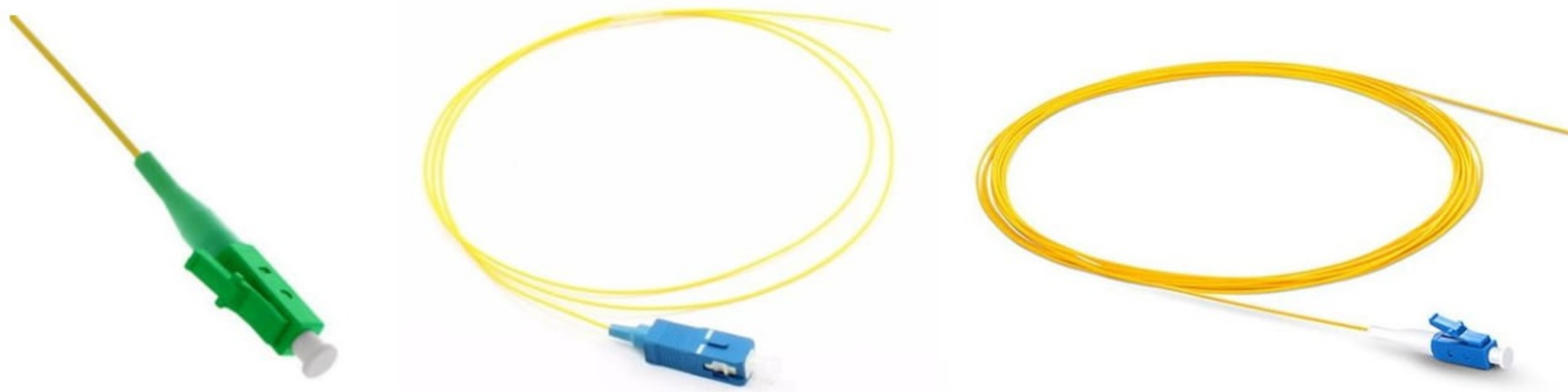
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Fibre pigtails are used in permanent connections between patch panels and incoming cables / single blown fibres pigtails are pre-constructed with connectors.

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

- Telcordia (formerly Bellcore) GR-326-CORE Generic requirements for Single mode optical connectors and Jumper assemblies.
- IEC 874-1 Generic specification for fibre optic connectors and cables
- ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173, UL94V-0
- Cable flame resistant rate: OFNR or IEC60332-3 standard



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COMPLIANCE

ISO/IEC 11801
EN50173 -1,ANSI TIA/EIA 568B

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

PRODUCT	TURKSAT CODE	BRAND/MODEL
Pigtail SC/APC, SM, Simplex, L=3m	TKS-FOM-15	FCF/T-SCASML3M.PT
PIGTAIL SC/APC, SM, Simplex, L=1M	TKS-FOM-32	FCF/T-SCASML1M.PT