

OM3 50/125 PATCH CORD

REFERENCE VALUES - PENDING KANGHAO ENGINEERING CONFIRMATION

Engineering comparison data; final product ratings require a confirmed Kanghao specification.

Connector reference

Parameter	ST	SC	LC
Insertion loss (dB)	≤ 0.15	≤ 0.15	≤ 0.15
Return loss (dB)	> 25	> 25	> 25
Ceramic ferrule size (mm)	2.5	2.5	1.25
Housing material	Bronze	Composite	Composite
Design reference	EC60874-10-1997*	IEC61754-4	IEC61754-20

Standard identifier note

The first design identifier is transcribed as EC60874-10-1997 in the reference and needs engineering clarification; it has not been silently corrected.

Cable and geometry reference

Parameter	ST	SC	LC
Attenuation at 850 nm (dB)	≤ 3.5	≤ 3.5	≤ 3.5
Attenuation at 1300 nm (dB)	≤ 1.5	≤ 1.5	≤ 1.5
Bandwidth at 850 nm (MHz.km)	≥ 1500	≥ 1500	≥ 1500
Bandwidth at 1300 nm (MHz.km)	≥ 500	≥ 500	≥ 500
Curvature radius (mm)	$10 \leq r \leq 25$	$10 \leq r \leq 25$	$7 \leq r \leq 25$
Fiber height (nm)	-100 to +100	-100 to +100	-100 to +100
Apex offset (um)	≤ 50	≤ 50	≤ 50
Durability (matings)	500	500	500
Repeatability (dB)	≤ 0.2	≤ 0.2	≤ 0.2

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Cable construction and environment

Parameter	Reference for ST / SC / LC
Fiber count	2
Mass (kg/km)	12
Outer W x H (mm)	2.00 x 2
Outer sheath	Aqua; LSZH
Installation / operation	-10 to +60 deg C
Storage	-40 to +80 deg C
Long-term / short-term tension	100 N / 200 N
Connector / length choices	ST / SC / LC at each end; 1 / 2 / 3 m
Assembly details	Individual packaging; caps and black/red boots; duplex clips for SC/LC, no clip for ST

Standards listed for reference

ISO/IEC 11801; EN 50173-1; IEC 61754-20; IEC 61753-1; IEC 61300; RoHS. This is a reference list, not a Kanghao conformity declaration.