

SC STANDARD CONNECTOR

REFERENCE VALUES - PENDING KANGHAO ENGINEERING CONFIRMATION

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

Optical reference values

Parameter	Singlemode UPC	Multimode
Typical insertion loss (dB)	0.12	0.15
Maximum insertion loss (dB)	0.30	0.30
Typical return loss (dB)	≥ 55	≥ 25
Ferrule diameter figure (μm)	125.5	127

Mechanical and environmental reference

Parameter	Reference
Durability	500 mating cycles
Fiber count	Simplex; 1 fiber
Cable suitability	900 μm to 3 mm
Ferrule material	Zirconia
Operating temperature	-40 to +75 deg C
Humidity resistance	95%
RoHS / REACH	Listed in the reference; Kanghao validation required
Interface / mating references	IEC 61754-4; Grade C IEC 61753-1 random mating; TIA/EIA and JIS SC references
Coupling / assembly	Push-pull; preassembled one-piece configuration

Mechanical and configuration reference

Item	Reference
Illustrated overall dimension	40 mm
Illustrated cable / boot	Simplex 2.0 mm boot; additional 900 μm / 3.0 mm options

SC STANDARD CONNECTOR

REFERENCE VALUES - PENDING KANGHAO ENGINEERING CONFIRMATION

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

Item	Reference
Housing colors	Aqua / blue / black / red / beige
Boot formats	Standard 900 um / 2.0 mm / 3.0 mm; mini 900 um
Boot colors	Blue / black / red / yellow / beige
Typical IL test context	Against a master; typical 0.12 dB, maximum 0.30 dB

Cleaning and inspection context

Reference tooling covers SC / FC / ST one-piece terminations, SC kits and SC/LC 1.2 mm connectors; 2.5 mm cleaning sticks, click-type cleaners and cassettes. Ancillary interferometry data includes PC/APC interfaces, autofocus, 100 um fiber-height scan range and 1.1 um resolution; end-face inspection context lists defects as small as 0.75 um. These are equipment figures, not connector ratings.

Application context

Telecommunications, data centers, LAN, FTTx, premises distribution and industrial optical links.