

PREMIUM 1 PC Connector Series

SC FC ST

Pre-assembled 1pc Type Connector

This premium connector is available in SC, FC, and ST. It was designed to meet the highest requirements in the market.

The premium SC and FC Connector is designed to meet and exceed the Verizon FOC TPR requirement, for the OSP application, or for anywhere customers need a high quality product. Premium SM and Premium Low Loss SM (LS) are available. Typical IL of 0.05 for LS SM Ferrule, and 0.08 for Premium UPC. Various option for boots are available.

STANDARD 1 PC Connector Series

SC FC ST

Pre-assembled 1pc Connector

This connector series (SC, FC, and ST) gives value for cost. Using high quality components, these connectors meet IEC, and the general requirement of GR-326.

The same crimp and boot can be interchanged for all the Standard Connector Series (SC, FC, ST).

CONNECTOR KIT Multi-Piece Connector

SC FC

Multi-Piece Connector Kit (Ferrule to be Purchased Separately)

Manufactured to the original NTT designed SC Connector kit, it is supplied as a multi-piece unassembled connector. Using high quality components, this connector meets IEC, and the general requirement of GR-326.

Ferrule with Flange are to be ordered separately.

FEATURES COMPARISON CHART

For SC Premium and SC Standard	PREMIUM LS CONNECTOR	PREMIUM SM CONNECTOR	STANDARD CONNECTOR	CONNECTOR KIT
IL Average Against Master (UPC)	0.05	0.08	0.12	***
IL Mean Value Random Mating (UPC)	0.07	0.12	0.25	***
Verizon FOC TPR-9409	○	○		
GR-326 Core Issue 4	○	○	△	
IEC, TIA/EIA JIS Spec	○	○	○	○
IEC Random Mating Grade A*	○			***
IEC Random Mating Grade B*	○	○		***
IEC Random Mating Grade C*	○	○	○	***
RoHS Compliant	○	○	○	○
UL 94V-0	○	○	○	○
4 Position Tuning After Assembly (SC, FC)**	○	○		
MINI Boots	○	○		
Standard Boots	○	○	○	
Long Boots	○	○		○
Premium Crimp Ring	○	○		
Standard Crimp Ring			○	
Pre-assembled 1pc Body	○	○	○	
Push Pull Mechanism	○	○	○	○
Free Floating Ferrule	○	○	○	○
Metal Back Post	○	○	○	○
Premium Duplex Clip	○	○		
Standard Duplex Clip			○	○
Crimp Tool CRT-401	○	○	○	CRT-501

○ Complies with GR-326 issue 4 TWAL test with 4 wavelength △ Good for general usage Note: *Based on IEC 61753-1 **Only for UPC Connector ***Depend on ferrule selected

TECHNICAL SPECIFICATIONS Premium and Standard Connector

PRODUCT SERIES	TYPE OF CONNECTOR SENKO P/N	IL AGAINST MASTER (dB)		IL RANDOM MATING (dB)	
		Average IL	Maximum IL	Mean IL	Maximum IL
Premium Low Loss SM	SC (254-199-xxx), FC (351-109-xx), (215-109-xx)	0.05	0.15	0.07	0.15 ¹
Premium SM	SC (254-193-xxx), FC (351-103-xx), ST (215-103-xx)	0.08	0.20	0.12	0.25 ²
Premium Low Loss APC	SC APC (291/294-199-xx), FC APC (292/293-209-xx)	0.07	0.15	0.09	0.20
Premium SM APC	SC APC (291/294-193-xx), FC APC (292/293-203-xx)	0.10	0.25	0.14	0.30
Premium MM Connector	SC (254-291-xxx), FC (351-201-xx), ST (215-201-xx)	0.10	0.20	-	-
Standard SM	SC (231-191-xxx), FC (341-101-xx), (233-101-xx)	0.12	0.30	0.25	0.50 ³
Standard MM	SC (231-291-xxx), FC (341-201-xx), (233-201-xx)	0.15	0.30	-	-

Singlemode

Multimode

Operating Temperature	-40°C to +75°C	-40°C to +75°C
Durability	<0.1dB typical change, 500 matings	<0.1dB typical change, 500 matings

IEC Random mating test IEC 61753-1
 1 - To meet IEC Random Mating Grade A (≤0.07dB mean, ≤0.15dB max for >97% of sample). Grade A Spec is not finalized, above is a recommendation
 2 - To meet IEC Random Mating Grade B (≤0.12dB mean, ≤0.25dB max for >97% of sample)
 3 - To meet IEC Random Mating Grade C (≤0.25dB mean, ≤0.50dB max for >97% of sample)

Random Mating IL

SENKO has categorized its connectors to reflect the IEC Random Mating specified grades A*, B, and C, allowing the end-user to make an informed decision when selecting connectors, of how finished patchcords using SENKO connectors will perform.

Random mating Insertion Loss

- SENKO Low Loss
- SENKO Premium
- SENKO Standard
- High quality Competitor
- Low quality Competitor

