



Series 738 SC/PC Connectors

Alliance Fiber Optic Products provides an extensive line of high performance SC/PC fiber connectors. The 738 series of products offer superior performance with very high repeatability, is fully intermatable with standard NTT SC/PC product, and delivers long term stability under a range of application conditions. The 738 series utilize only tightly toleranced preradiused Zirconia ferrules to ensure consistent low loss. The 738 series features a patented NOD spacer element for greater reliability and greater ease of assembly.

AFOP SC/PC connectors are available with either a 3mm or 900um cable boot and in both multimode and singlemode grade options. A patented universal SC duplex clip is also available, which can convert any standard SC/PC simplex assembly into duplex form.

AFOP SC/PC Connectors are designed to comply with JIS, IEC, EIA/TIA 455 and 604, and Bellcore 326 standards for performance and reliability.

For Use With:

Local Area Networks

SONET Networks

CATV Distribution Networks

Point to Point Systems

Wide Area Networks

Test Instruments

Fiber Optic Connectors

Features:

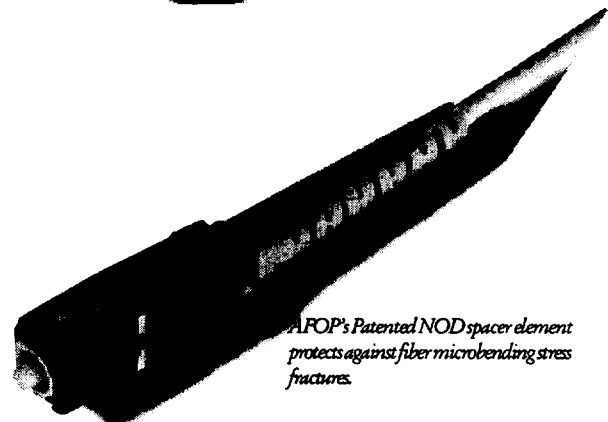
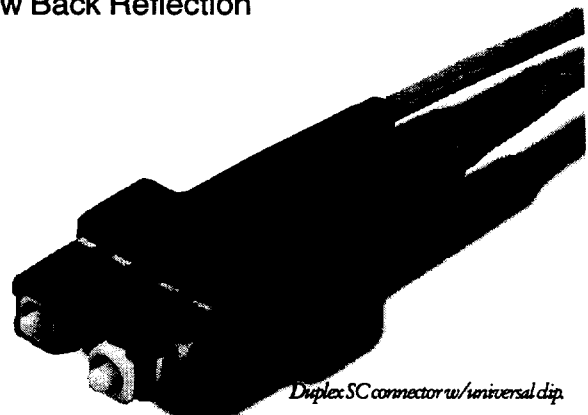
Precision Preradiused Zirconia Ferrules

Patented Duplex Mounting Clip Option

Superior Repeatability

Multimode and Singlemode Versions

Low Back Reflection



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Series 738 - SC / PC Connector

Specifications

Item	Multimode Zirconia Ferrule	Singlemode Zirconia Ferrule
Insertion Loss	< 0.24 dB Typical 0.5 dB Maximum	< 0.29 dB Typical 0.5 dB Maximum
Backreflection	- 25 dB Typical	- 35 dB PC Polish - 45 dB Super PC - 55 dB Ultra PC
Connector Repeatability (Loss Increase)	< 0.1 dB	< 0.1 dB
Operating Environment	- 40° C to 80° C	- 40° C to 80° C
Temperature Cycling (Loss Variation)	Insertion Loss < 0.1 dB Return Loss < 5 dB	Insertion Loss < 0.1 dB Return Loss < 5 dB
Vibration (Loss Variation)	Insertion Loss < 0.1 dB Return Loss < 5 dB	Insertion Loss < 0.1 dB Return Loss < 5 dB
Cable Retention	> 80 lb.	> 80 lb.

Ordering Information

738-0011-009	SC / PC Connector, 128 um Multimode , One-piece Design
738-0051-009	SC / PC Connector, 128um Multimode One-piece w/ ribbed boot
738-0041-009	SC / PC Connector, 128um Multimode, Beige, w/ ribbed boot
738-0021-005	SC / PC Connector, 126 um Singlemode, One-piece Design
738-0061-005	SC / PC Connector, 126 um Singlemode, One-piece w/ ribbed boot
738-0041-004	SC / PC Duplex Connector, Multimode, Beige w/ribbed boots
738-0011-001	SC / PC Connector, 128 um Multimode Fiber, NTT Multi-piece Design
738-0021-001	SC / PC Connector, 126 um Singlemode Fiber, NTT Multi-piece Design
703-0071-005	SC Duplex Clip

*Notes: Please consult the factory about correct P/Ns for different boots or cable sizes.
Use -B after the part number to designate bulk packaging.*

Other ferrule hole sizes are available

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AFOP continues to improve and update all product designs. Specifications are subject to change without notice