

# FIBRE ADAPTOR

## FIBRE ADAPTOR SPECIFICATION

Accell fibre adaptors are available for all standard connector types in both single mode and multimode including Simplex and duplex versions as per ANSI/TIA 568 C.3 Standard. Single mode adaptors are available with either Zirconia or phosphor bronze sleeves. Zirconia sleeves provide tighter tolerances, generally required for angled physical contact (APC) connectors. Multimode adaptors are available with phosphor Bronze sleeves, which provide good performance for spherical polished connectors. The adaptor sleeve aligns the ferrules and holds them in place. The adaptors are laser optimized and colour coded for easy identification of the adaptor type.

Accell hybrid Fibre optic adaptors are also available which are used to link different kinds of fibre optic connectors. Hybrid Adaptor specifications and functions are same as standard fibre optic adaptors.

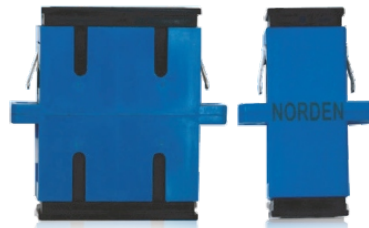
## MECHANICAL DATA

Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +85 °C
Temperature Cycling (61300-2-18)	-40 °C to +75 °C, 40 cycles=0.2 dB change
High Temperature (61300-2-18)	70°C for 96Hrs, < 0.4 dB change
Damp Heat (61300-2-19)	40°C at 93 % RH for 96 Hrs, < 0.4 dB change
Vibration-Mated Pair (61300-2-1)	10-55 Hz, 1.5 mm P to P < 0.2 dB change
Mating Durability (61300-2-2)	500 Mating Cycles, clean every 25, < 0.2 dB change

## OPTICAL PERFORMANCE DATA

Item	Single mode	Multimode
	PC	62.5/125    50/125
Insert. Loss/Adaptor (single Fibre)	0.2 dB Max. (0.15 dB typ.)	0.3 dB Max. (0.25 dB typ.)
Return Loss	≥ 45 dB	N.A
Insert. Loss/MTRJ	0.5dB Max. (0.45 dB typ.)	0.5 dB max. (0.45 dB typ.)
Pull strength	≥ 98 N	≥ 98 N

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## PRODUCT OVERVIEW

SC Fibre Optic Adaptors are various types including single mode and multimode, Zirconia sleeve and Bronze sleeve, Simplex and Duplex versions. Standard female to female SC Fibre optic adaptor and hybrid SC Fibre optic adaptors are available.

## APPLICATION

CATV  
 LAN, Telecommunication networks  
 Metro networks, Data processing networks  
 Industrial, military and medical

## DESIGN & MATERIALS

Adaptor Material	High Impact flame retardant thermoplastic UL94-V0
Capillary Diameter Tolerance (Single Mode)	126 ± 0.5 μm
Operating Temperature	-40 °C to +75 °C
Storage Temperature:	-40 °C to +75 °C
Mating Durability	> 500 Mating Cycles

## ORDERING INFORMATION

Part Number	Description
AFA2SSS1X	SC Singlemode Duplex Adaptor
AFA2MSS1X	SC Multimode Duplex Adaptor
AFA1SSS1X	SC Singlemode Simplex Adaptor
AFA1MSS1X	SC Multimode Simplex Adaptor

## PACKING INFORMATION

Product Type	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
LC Simplex	100 x 5 x 10	Carton Box	12.0	13.0	545 x 260 x 395
LC Duplex	50 x 5 x 10	Carton Box	10.5	11.5	545 x 260 x 395