

# FIBRE ADAPTOR

## FIBRE ADAPTOR SPECIFICATION

Norden's fibre adaptors are available for all standard connector types in both single mode and multimode including Simplex and duplex versions. 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 colour coded allowing easy identification of the adaptor type.

Norden 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.

## ENVIRONMENTAL & 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

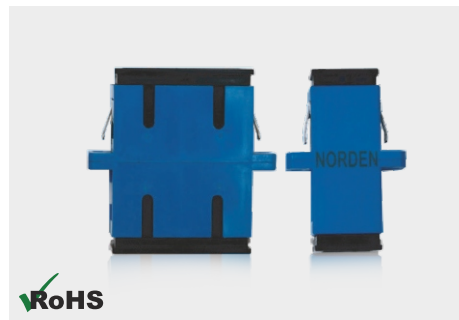
## OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
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	≥50 dB	≥60 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	≥98 N	≥98 N		

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## SC FIBRE OPTIC ADAPTOR

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.



## APPLICATIONS

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

## DESIGN & MATERIALS

Adaptor material	High Impact flame retardant thermoplastic UL94-V0
Capillary diameter tolerance	126 ± 0.5 µm (SM), 127 ± 0.5 µm (MM)
Operating Temperature	-40 °C to +75 °C
Storage Temperature:	-40 °C to +85 °C
Mating durability	> 500 Mating Cycles

## ORDERING INFORMATION

Part Number	Description
351-SSCSC	SC Singlemode Simplex Adaptor
351-SSCSC02	SC/APC Singlemode Simplex Adaptor
351-MSCSC	SC Multimode Simplex Adaptor
352-SSCSC	SC Singlemode Duplex Adaptor
352-SSCSC02	SC/APC Singlemode Duplex Adaptor
352-MSCSC	SC Multimode Duplex Adaptor
351-SSCSCSH	SC Singlemode Simplex Shutter Adaptor
351-SSCSC02SH	SC/APC Singlemode Simplex Shutter Adaptor
351-MSCSCSH	SC Multimode Simplex Shutter Adaptor
352-SSCSCSH	SC Singlemode Duplex Shutter Adaptor
352-SSCSC02SH	SC/APC Singlemode Duplex Shutter Adaptor
352-MSCSCSH	SC Multimode Duplex Shutter Adaptor
352-LSCSC	SC Multimode Duplex Adaptor Laser Optimized (OM3/OM4)

## PACKING INFORMATION

Product Type	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
SC Simplex	100 x 5 x 10	Carton Box	12.5	13.5	545 x 260 x 395
SC Duplex	50 x 5 x 10	Carton Box	11.0	12.0	545 x 260 x 395
SC Simplex Shutter	100 x 5 x 10	Carton Box	13.0	14.0	545 x 260 x 395
SC Duplex Shutter	50 x 5 x 10	Carton Box	11.5	12.5	545 x 260 x 395