

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
Retention Force	2.0 ~ 5.9 N

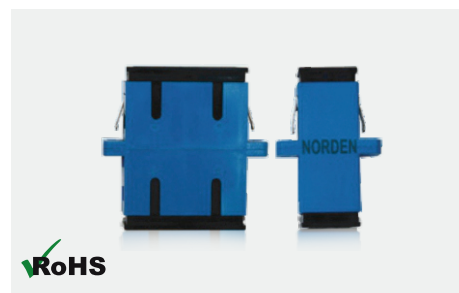
OPTICAL PERFORMANCE DATA

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

SC SINGLEMODE

Part Number	Description
351-ASCSC	SC/PC Singlemode Simplex Adaptor
351-ASCSC02	SC/APC Singlemode Simplex Adaptor
351-ASCSC01	SC/UPC Singlemode Simplex Adaptor
352-ASCSC	SC/PC Singlemode Duplex Adaptor
352-ASCSC02	SC/APC Singlemode Duplex Adaptor
352-ASCSC01	SC/UPC Singlemode Duplex Adaptor
354-ASCSC	SC/PC Singlemode Simplex Adaptor without Flange
354-ASCSC02	SC/APC Singlemode Simplex Adaptor without Flange
354-ASCSC01	SC/UPC Singlemode Simplex Adaptor without Flange
351-ASCSCSH	SC/PC Singlemode Simplex Adaptor Shuttered
351-ASCSC02SH	SC/APC Singlemode Simplex Adaptor Shuttered
352-ASCSCSH	SC/PC Singlemode Duplex Adaptor Shuttered
352-ASCSC02SH	SC/APC Singlemode Duplex Adaptor Shuttered

SC MULTIMODE OM2

Part Number	Description
351-DSCSC	SC/PC Multimode OM2 Simplex Adaptor,Beige
351-DSCSC01	SC/UPC Multimode OM2 Simplex Adaptor,Beige
352-DSCSC	SC/PC Multimode OM2 Duplex Adaptor,Beige
352-DSCSC01	SC/UPC Multimode OM2 Duplex Adaptor,Beige
351-DSCSCSH	SC/PC Multimode OM2 Simplex Adaptor Shuttered,Beige
352-DSCSCSH	SC/PC Multimode OM2 Duplex Adaptor Shuttered,Beige

FIBRE ADAPTOR

ORDERING INFORMATION

SC MULTIMODE OM3

Part Number	Description
351-ESCSC	SC/PC Multimode OM3 Simplex Adaptor,Aqua
351-ESCSC01	SC/UPC Multimode OM3 Simplex Adaptor,Aqua
352-ESCSC	SC/PC Multimode OM3 Duplex Adaptor,Aqua
352-ESCSC01SH	SC/UPC Multimode OM3 Duplex Adaptor,Aqua
351-ESCSCSH	SC/PC Multimode OM3 Simplex Adaptor Shuttered,Aqua
352-ESCSCSH	SC/PC Multimode OM3 Duplex Adaptor Shuttered,Aqua

SC MULTIMODE OM4

Part Number	Description
351-FSCSC	SC/PC Multimode OM4 Simplex Adaptor,Violet
351-FSCSC01	SC/UPC Multimode OM4 Simplex Adaptor,Violet
352-FSCSC	SC/PC Multimode OM4 Duplex Adaptor,Violet
352-FSCSC01	SC/UPC Multimode OM4 Duplex Adaptor,Violet
351-FSCSCSH	SC/PC Multimode OM4 Simplex Adaptor Shuttered,Violet
352-FSCSCSH	SC/PC Multimode OM4 Duplex Adaptor Shuttered,Violet

SC MULTIMODE OM5

Part Number	Description
351-GSCSC	SC/PC Multimode OM5 Simplex Adaptor,Lime Green
351-GSCSC01	SC/UPC Multimode OM5 Simplex Adaptor,Lime Green
352-GSCSC	SC/PC Multimode OM5 Duplex Adaptor,Lime Green
352-GSCSC01	SC/UPC Multimode OM5 Duplex Adaptor,Lime Green
351-GSCSCSH	SC/PC Multimode OM5 Simplex Adaptor Shuttered,Lime Green
352-GSCSCSH	SC/PC Multimode OM5 Duplex Adaptor Shuttered,Lime Green

OM2: Beige, OM3: Aqua, OM4: Violet, OM5: Lime Green

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