

FIBER OPTICS

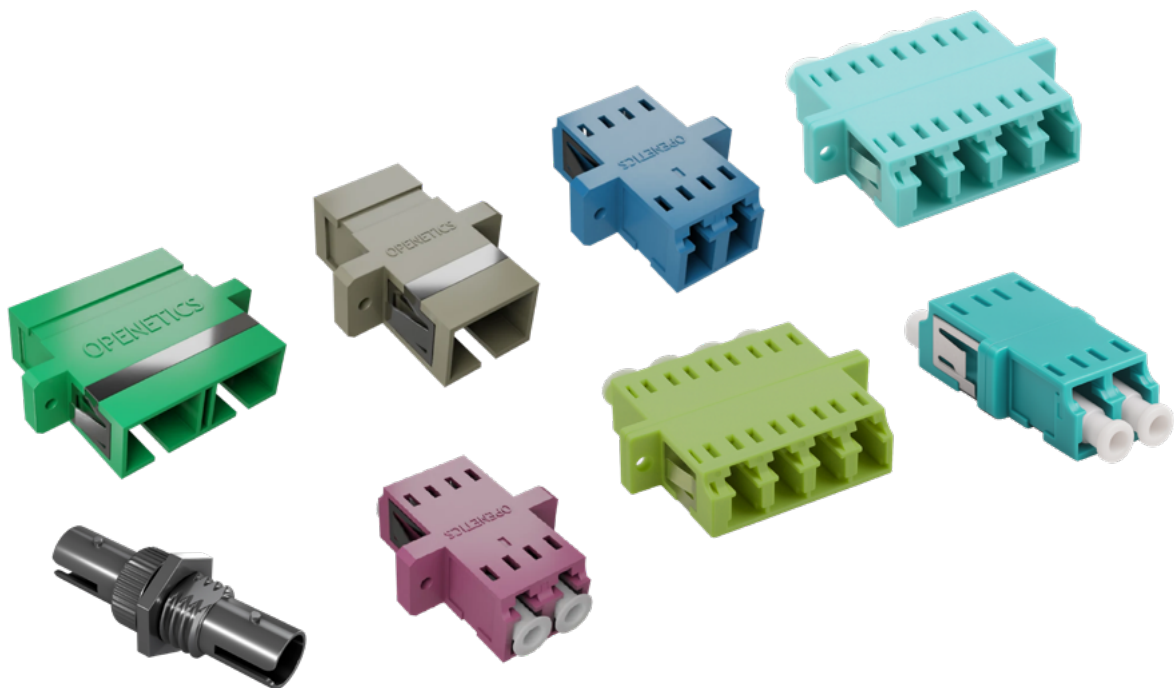
Wall-mounted connectors for multimode and single-mode fiber optics

DESCRIPTION

Wall bushings, also known as adapters, are components that allow two optical connectors to be mated together. Depending on the type of connectors being mated, wall bushings can be of two types: symmetrical or mixed.

Symmetrical feed-throughs are those that support connectors of the same type, while mixed feed-throughs support connectors of different types.

Wall-penetrating fittings marked SM (single-mode) feature a ceramic (zirconia) sleeve, while those marked MM (multimode) feature a metal (phosphor bronze) sleeve.



APPLICATIONS

- Universal adapter compatible with all optical ports
- Terminal boxes, communication equipment, terminal rosettes and jobs

OPENETICS
/ ADALTRA

ADVANTAGES

- Connecting male fiber-optic connectors.
- The body of the wall bushings can be made of metal or plastic.
- OPENETICS supplies ST, SC, and LC feed-throughs, as well as any other type the customer may require, both in both single-mode and multimode versions.
- Single and double versions, for one or two connectors on each side, respectively.
- Double wall bushings follow the A-B coding system to ensure correct polarity in the two-way communication.
- Allows for easy interconnection of the equipment used in the fiber-optic cabling system.
- They feature a snap ring that ensures proper alignment of the connectors.
- Models with APC coating for high reflection loss.

REGULATIONS

Mechanical and thermal tests in accordance with:

EN 187000

IEC 60794

Fire test in accordance with:

UNE-EN 50265 (IEC 60332-1)

UNE-EN 50268 (IEC 61034-1/2)

PHYSICAL SPECIFICATIONS FOR MM POLISHED PC WALL BUSHINGS

Typical attenuation	0.20 dB
Maximum attenuation	0.40 dB
Δ Attenuation (500 cycles):	0,1
Operating temperature:	-40 to +85°C
Retaining force (N):	300

PHYSICAL SPECIFICATIONS FOR MM POLISHED WALL BUSHINGS UPC

Typical attenuation	0.15 dB
Maximum attenuation	0.30 dB
Δ Attenuation (500 cycles):	0,1
Operating temperature:	-40 to +85°C
Retaining force (N):	300

PHYSICAL SPECIFICATIONS FOR POLISHED MM WALL THROUGH-HOLES APC

Typical attenuation	0.10 dB
Maximum attenuation	0.20 dB
Reflection Losses	> 60 dB
Δ Damping (500 cycles)	0,1
Operating Temperature	-40 to +85°C
Retention Force (N)	300
Color of the wall feed-through	Green

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COMMERCIAL INFORMATION

REFERENCE	DESCRIPTION	FIBER TYPE	CONNECTOR TYPE	COLOR	VERSION	U/EMB
5055	Wall-mounted	MM OM2	ST-ST/PC with fins	Metallic	Simplex	1
5076	Wall-mounted	MM OM2	SC-SC/PC with fins	Beige	Simplex	1
5079	Wall-mounted	MM OM2	FC-FC/PC with fins	Metallic	Simplex	1
5101	Wall-mounted	MM OM2	ST-ST/PC with fins	Beige	Duplex	1
5060	Wall-mounted	MM OM2	SC-SC/PC with fins	Beige	Duplex	1
5050	Wall-mounted	MM OM2	SC-ST/PC with fins	Beige	Duplex	1
5087	Wall-mounted	MM OM2	LC-LC/PC with fins	Beige	Duplex	1
5089	Wall-to-Wall	MM OM3	SC-SC/PC with fins	Aqua	Simplex	1
50511	Wall-mounted	MM OM3	SC-SC/PC without fins	Aqua	Simplex	1
5090	Wall-Penetrating Cable	MM OM3	SC-SC/PC with fins	Aqua	Duplex	1
5093	Wall-to-Wall	MM OM3	LC-LC/PC with fins	Aqua	Duplex	1
50515	Wall-mounted	MM OM3	LC-LC/PC without fins	Aqua	Duplex	1
5491	Wall-mounted	MM OM3	LC-LC/PC with fins	Aqua	Quadruplex	1
5489	Wall-penetrating pipe	MM OM4	SC-SC/PC with fins	Violet	Simplex	1
50516	Wall-mounted	MM OM4	SC-SC/PC without fins	Violet	Simplex	1
5490	Wall-penetrating pipe	MM OM4	SC-SC/PC with fins	Violet	Duplex	1
5493	Wall-mounted	MM OM4	LC-LC/PC with fins	Violet	Duplex	1
5494	Wall-mounted	MM OM4	LC-LC/PC without fins	Violet	Duplex	1
5492	Wall-Penetrating Cable	MM OM4	LC-LC/PC with fins	Violet	Quadruplex	1

REFERENCE	DESCRIPTION	FIBER TYPE	CONNECTOR TYPE	COLOR	VERSION	U/EMB
5495	Wall-mounted	MM OM5	SC-SC/PC with fins	Lime green	Simplex	1
5499	Wall-mounted	MM OM5	SC-SC/PC without fins	Lime green	Simplex	1
5496	Wall-mounted	MM OM5	SC-SC/PC with fins	Lime green	Duplex	1
5497	Wall-mounted	MM OM5	LC-LC/PC without fins	Lime green	Duplex	1
5498	Wall-mounted	MM OM5	LC-LC/PC without fins	Lime green	Duplex	1
54910	Wall-mounted	MM OM5	LC-LC/PC with fins	Lime green	Quadruplex	1
50500	Wall-mounted	SM OS2	ST-ST/UPC with fins	Metallic	Simplex	1
50502	Wall-mounted	SM OS2	SC-SC/UPC with fins	UPC Blue	Simplex	1
50505	Wall-Penetrating Pipe	SM OS2	FC-FC/UPC with fins	Metallic	Simplex	1
50506	Wall-mounted	SM OS2	SC-SC/APC with fins	APC Green	Simplex	1
50517	Wall-mounted	SM OS2	SC-SC/APC without fins	APC Green	Simplex	1
5086	Wall-mounted	SM OS2	LC-LC/UPC with fins	UPC Blue	Duplex	1
5082	Wall-mounted	SM OS2	SC-SC/UPC without fins	UPC Blue	Duplex	1
50501	Wall-mounted	SM OS2	ST-ST/UPC with fins	Metallic	Duplex	1
50503	Wall-mounted	SM OS2	SC-SC/UPC with fins	UPC Blue	Duplex	1
50507	Wall-to-wall carpet	SM OS2	SC-SC/APC with fins	APC Green	Duplex	1
50504	Wall-mounted	SM OS2	SC-ST/UPC with fins	UPC Blue	Duplex	1
50513	Wall-Penetrating Cable	SM OS2	SC-SC/APC with fins	APC Green	Simplex with dust cover	1