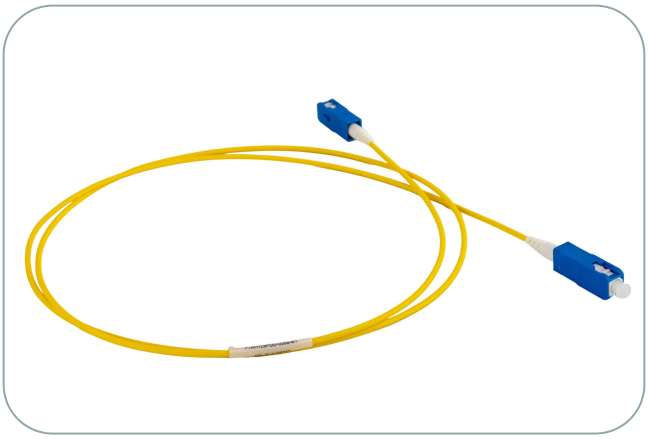
Simplex Patch Cords



Single and multi-mode, Simplex patch cords are used for telecom networks and are also used for high-speed metropolitan and access networks. The patch cords are manufactured using LSZH cables, which conform to IEC or EIA TIA standards. The single-mode and multimode premium patch cords are terminated with optimized connectors that give optimum optical performance. Simplex patch cords are available in G.657A1, OM1, and OM4 fiber types.

Features

General Features

- Supports standard connector types
- Low-smoke zero-halogen (LSZH) cable.
- Simplex assemblies
- REACH, RoHS & SvHC materials compliant
- Premium optical performance

Fiber Type Specific Features G.657A1

- Available with LC, SC, FC, ST, and *E-2000*® connectors (UPC/APC)
- Single-mode cabled fiber conforms to ITU-T G.657A1

OM4

- Available with LC, SC, FC, ST, and *E-2000*® connectors
- OM4 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAD, IEC60793-2-10 A1a.3a

OM1

- Available with LC, SC, FC, and ST connectors
- OM1 fiber conforms to TIA/EIA 492AAAA, IEC60793-2-10 A1b

E-2000® is a registered trademark of Diamond S.A.

Applications

- Hyperscale
- AI
- Colocation
- Enterprise
- Campus
- Central Office
- Office Backbone

Specifications

Connector Specifications

Optical Performance	G.657A1	OM4	OM1	Conformance
IL Max/Master (Acceptance)	≤ 0.15 dB	≤ 0.15 dB	≤ 0.15 dB	IEC 61300-3-4
Return Loss (Single mode)	≥ 55/65 dB	≥ 28 dB	≥ 28 dB	IEC 61300-3-6

Cable Specifications (Simplex)

Characteristics	G.657A1	OM4	OM1
Cable material	LSZH	LSZH	LSZH

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Characteristics	G.657A1	OM4	OM1
Cable Jacket Availability	G.657A1 (Yellow),	OM4 (Aqua and Erika Violet)	OM1 (Orange)
Connector Colour	Blue	Same as cable colour	Beige
Strength Member	Aramid	Aramid	Aramid
Operating Temperature	-20 to 60°C	-20 to 60°C	-20 to 60°C
Crush (N)	1000	1000	1000
Fire Specification	IEC 60332-1	IEC 60332-1	IEC 60332-1
Regional Availability	Global	Global	Global

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Ordering Information

G.657A1

Description	Part Number
AFL Patchcord Premium LC - LC G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PAA-0008-M**xx**
AFL Patchcord Premium LC - LCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PAB-0008-M**xx**
AFL Patchcord Premium LC - SC G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PAD-0008-M**xx**
AFL Patchcord Premium LC - SCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PAE-0008-M**xx**
AFL Patchcord Premium LC - FC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PAH-0052-M**xx**
AFL Patchcord Premium LC - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PAJ-0052-M**xx**
AFL Patchcord Premium LC - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PAK-0052-M**xx**
AFL Patchcord Premium LC - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PAL-0052-M**xx**
AFL Patchcord Premium LC - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PAM-0052-M**xx**
AFL Patchcord Premium LCA - LCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PBB-0008-M**xx**
AFL Patchcord Premium LCA - SC G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PBD-0008-M**xx**
AFL Patchcord Premium LCA - SCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PBE-0008-M**xx**
AFL Patchcord Premium LCA - FC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PBH-0052-M**xx**
AFL Patchcord Premium LCA - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PBJ-0052-M**xx**
AFL Patchcord Premium LCA - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PBK-0052-M**xx**
AFL Patchcord Premium LCA - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PBL-0052-M**xx**
AFL Patchcord Premium LCA - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PBM-0052-M**xx**
AFL Patchcord Premium SC - SC G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PDD-0008-M**xx**
AFL Patchcord Premium SC - SCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PDE-0008-M**xx**
AFL Patchcord Premium SC - FC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PDH-0052-M**xx**
AFL Patchcord Premium SC - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PDJ-0052-M**xx**
AFL Patchcord Premium SC - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PDK-0052-M**xx**
AFL Patchcord Enhanced SC - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9EDL-0052-M**xx**
AFL Patchcord Enhanced SC - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9EDM-0052-M**xx**
AFL Patchcord Premium SCA - SCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P7AH1L9PEE-0008-M**xx**
AFL Patchcord Premium SCA - FC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PEH-0052-M**xx**
AFL Patchcord Premium SCA - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PEJ-0052-M**xx**
AFL Patchcord Premium SCA - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PEK-0052-M**xx**
AFL Patchcord Premium SCA - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PEL-0052-M**xx**
AFL Patchcord Premium SCA - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P7AH1L9PEM-0052-M**xx**
AFL Patchcord Premium FC - FC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PHH-0000-M**xx**
AFL Patchcord Premium FC - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PHJ-0000-M**xx**
AFL Patchcord Premium FC - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PHK-0000-M**xx**
AFL Patchcord Premium FC - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PHL-0000-M**xx**
AFL Patchcord Premium FC - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PHM-0000-M**xx**
AFL Patchcord Premium FCA - FCA G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PJJ-0000-M**xx**
AFL Patchcord Premium FCA - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PJK-0000-M**xx**
AFL Patchcord Premium FCA - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PJL-0000-M**xx**
AFL Patchcord Premium FCA - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PJM-0000-M**xx**
AFL Patchcord Premium ST - ST G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PKK-0000-M**xx**

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Description	Part Number
AFL Patchcord Premium ST - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PKL-0000-M**xx**
AFL Patchcord Premium ST - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PKM-0000-M**xx**
AFL Patchcord Premium E-2000® - E-2000® G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PLL-0000-M**xx**
AFL Patchcord Premium E-2000® - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PLM-0000-M**xx**
AFL Patchcord Premium E-2000® APC - E-2000® APC G.657A1 Yellow LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P7AH1L9PMM-0000-M**xx**

Where **xx** = Length in Meters

OM1

Description	Part Number
AFL Patchcord Premium LC - LC OM1 Orange LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P1AH1L2PAA-0008-M**xx**
AFL Patchcord Premium LC - SC OM1 Orange LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P1AH1L2PAD-0008-M**xx**
AFL Patchcord Premium LC - FC OM1 Orange LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P1AH1L2PAH-0052-M**xx**
AFL Patchcord Premium LC - ST OM1 Orange LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P1AH1L2PAK-0052-M**xx**
AFL Patchcord Premium SC - SC OM1 Orange LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P1AH1L2PDD-0008-M**xx**
AFL Patchcord Premium SC - FC OM1 Orange LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P1AH1L2PDH-0052-M**xx**
AFL Patchcord Premium SC - ST OM1 Orange LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P1AH1L2PDK-0052-M**xx**
AFL Patchcord Premium FC - FC OM1 Orange LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P1AH1L2PHH-0000-M**xx**
AFL Patchcord Premium FC - ST OM1 Orange LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P1AH1L2PHK-0000-M**xx**
AFL Patchcord Premium ST - ST OM1 Orange LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P1AH1L2PKK-0000-M**xx**

Where **xx** = Length in Meters

OM4

Description	Part Number
AFL Patchcord Premium LC - LC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P4AH1L#PAA-0008-M**xx**
AFL Patchcord Premium LC - SC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P4AH1L#PAD-0008-M**xx**
AFL Patchcord Premium LC - FC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PAH-0052-M**xx**
AFL Patchcord Premium LC - ST OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PAK-0052-M**xx**
AFL Patchcord Premium LC - E-2000® OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PAL-0052-M**xx**
AFL Patchcord Premium SC - SC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Short Boot) **xx**M	P4AH1L#PDD-0008-M**xx**
AFL Patchcord Premium SC - FC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PDH-0052-M**xx**
AFL Patchcord Premium SC - ST OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PDK-0052-M**xx**
AFL Patchcord Premium SC - E-2000® OM4 ***(Color)*** LSZH 1F 2.0mm SPX (combination Short/Long Boot) **xx**M	P4AH1L#PDL-0052-M**xx**
AFL Patchcord Premium FC - FC OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P4AH1L#PHH-0000-M**xx**
AFL Patchcord Premium FC - ST OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P4AH1L#PHK-0000-M**xx**
AFL Patchcord Premium FC - E-2000® OM4 ***(Color)*** LSZH 1F 2.0mm SPX Long Boot) **xx**M	P4AH1L#PHL-0000-M**xx**

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Description	Part Number
AFL Patchcord Premium ST - ST OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P4AH1L**#**PKK-0000-M**xx**
AFL Patchcord Premium ST - E-2000® OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P4AH1L**#**PKL-0000-M**xx**
AFL Patchcord Premium E-2000® - E-2000® OM4 ***(Color)*** LSZH 1F 2.0mm SPX (Long Boot) **xx**M	P4AH1L**#**PLL-0000-M**xx**

Where **xx** = Length in Meters Where **#** = **C** for Aqua or **D** for Erika Violet

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