

BLACK-STONE Fiber Optic Pigtails



BLACKSTONE Single-mode and multimode fiber optic pigtails shall be available in one-meter and three-meter lengths, LSZH Jacket material, and be compliant with ANSI/TIA-568.3-D and ANSI/TIA-598-D-1. Single-mode pigtails shall come in ST, SC, LC and MTRJ connector styles, and offer UPC polish types. Multimode pigtails shall come in ST, SC, LC and MTRJ connector styles, and offer OM1, OM2, OM3, OM4 and OM5 core styles.

FEATURES

- Available with SC, ST, LC and MTRJ connector.
- Fiber available: OM1, OM2, OM3, OM4, OM5 and OS2.
- All assemblies are 100% optically tested.
- All pigtails are serialized for traceability.
- Support equipment for complete network solutions.
- Machine polished ensuring high quality terminations and performance.
- Nano-Zirconia Ceramic Ferrules Guarantees stable and fast network transmission.
- LSZH (Low Smoke Zero Halogen) rated cable jackets will not promote the spread of flame.
- Suitable for use in interior spaces.
- Perfect for High Density Splicing Applications G.657.A1 Low Loss Fiber & 10mm Min. Bend Radius, provide improved flexibility for limited space setups.
- Pigtails in kit are individually colored to easily match color-coded (900 μ m or 250 μ m) fiber cable that will be spliced

APPLICATION

- single-mode and multimode Pigtails are designed to support both fusion and mechanical splicing for fiber cabin systems.
- Telecom and Datacom
- storage network replaced with data Center
- CATV & Multimedia Application
- Internet service provider
- Fiber to the Indoor (FTTX) Test
- Fiber to the Home (FTTH), Data Center & Internet Service Provider applications.



LC/UPC



SC/UPC



ST/UPC

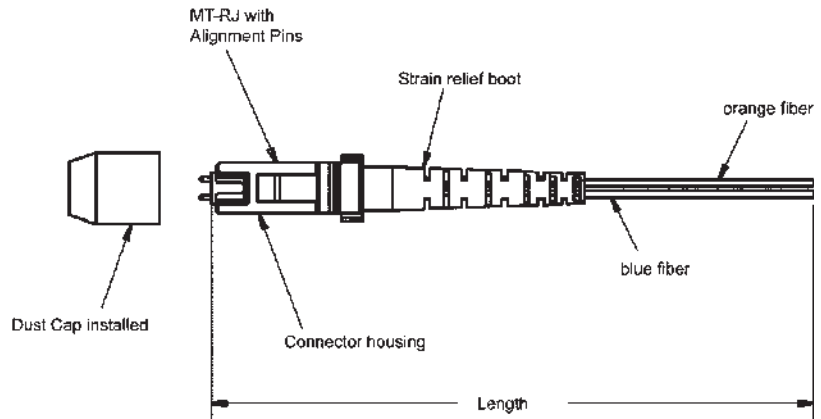


MTRJ

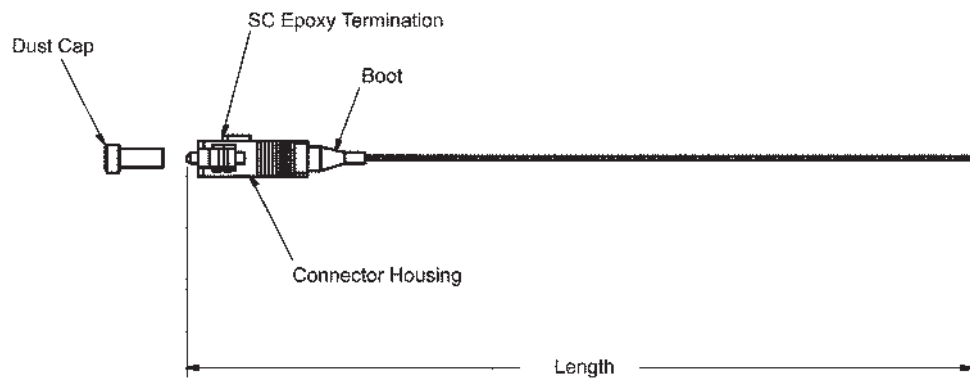
Black-stone

ELECTRONIC FILES

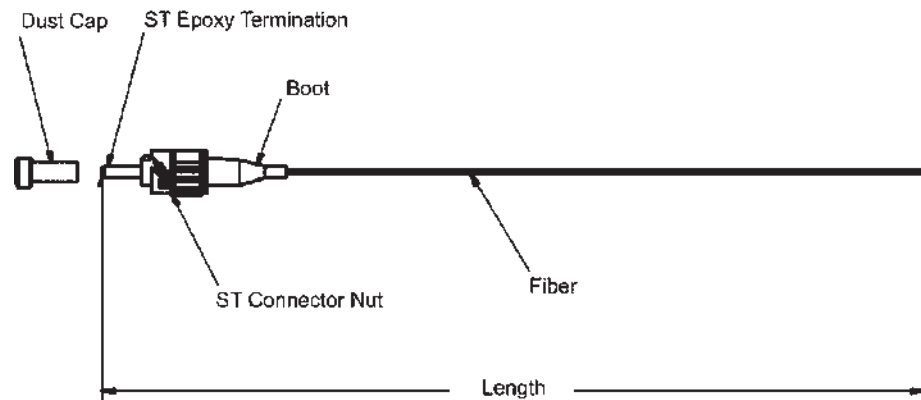
MRTJ Pigtail



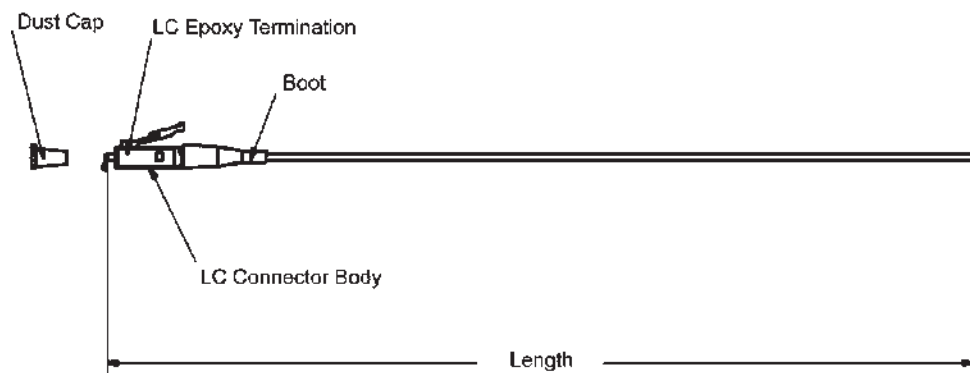
SC Pigtail



ST Pigtail



LC Pigtail



SPECIFICATION

TYPE	LC		SC		MTRJ		ST	
	Multimode	Single mode	Multimode	Single mode	Multimode	Single mode	Multimode	Single mode
INSERTION LOSS	0.3dB	0.3dB	0.3dB	0.3dB	<0.5dB	<0.5dB	0.3dB	0.3dB
REFLECTION ATTENUATION	>35dB	UPC>50dB,	35dB	45dB	>35dB	UPC>45dB,	35dB	45dB
INSERT AND PULL TEST	<0.2dB	<0.2dB	0.1dB	0.1dB	<0.2dB	<0.2dB	0.1dB	0.1dB
INTERCHANGING CAPABILITY	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB
OPERATING TEMPERATURE	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80

FIBER OPTIC PATCH CORDS - TRANSMISSION DISTANCE COMPARISON

Data Rate	Interface Type	Fiber Mode	Wavelength	Maximum Distance
1G	1000BASE-LX	OM5	850nm	550m
		OM4	1300nm	550m
		OM3	1300nm	550m
		OM2	1300nm	550m
		OM1	1300nm	550m
	1000BASE-SX	SMF	1310nm	10km
		OM4	850nm	550m
		OM3	850nm	550m
		OM2	850nm	550m
		OM1	850nm	275m
10G	10GBASE-SR	OM4	850nm	400m
		OM3	850nm	300m
		OM2	850nm	82m
		OM1	850nm	33m
	10GBASE-LRM	OM5	850nm	220m
		OM3	1300nm	220m
		OM2	1300nm	220m
	10GBASE-LR	OM1	1300nm	220m
		SMF	1310nm	10km
		SMF	1550nm	30km - 40km
10GBASE-ER	SMF	1550nm	80km - 100km	
10GBASE-ZR	SMF	1550nm	80km - 100km	
40G	40G-BIDI	SMF	1550nm	80km - 100km
		OM5	850nm	200m
		OM4	850nm	150m
	40GBASE-SR4	OM3	850nm	100m
		OM5	850nm	150m
		OM4	850nm	150m
	40G-S DM4	OM3	850nm	100m
		OM5	850nm	440m
		OM4	850nm	350m
	40GBASE-LR4	OM3	850nm	240m
SMF		1310nm	10km	
100G	100GBASE-SR4	SMF	1310nm	10km
		OM5	850nm	100m
		OM4	850nm	100m
	100G-S DM4	OM3	850nm	70m
		OM5	850nm	150m
		OM4	850nm	100m
	100GBASE-SR10	OM3	850nm	75m
		OM4	850nm	125m
		OM3	850nm	100m
	100GBASE-LR4	SMF	1310nm	10km
100GBASE-ER4	SMF	1310nm	40km	

ORDER INFORMATION

Fiber Optic Pigtail Part Number

Type-length	Single mode	Multimode (OM1)	Multimode (OM2)	Multimode (OM3)	Multimode (OM4)	Multimode (OM5)
LC Fiber Optic Pigtails						
LC Fiber Pigtail, 1M	CLCA-1-1-LSZH1M	DLCA-2-2-LSZH1M	DLCA-3-2-LSZH1M	DLCA-4-2-LSZH1M	DLCA-5-2-LSZH1M	DLCA-6-2-LSZH1M
LC Fiber Pigtail, 3M	CLCA-1-1-LSZH3M	DLCA-2-2-LSZH3M	DLCA-3-2-LSZH3M	DLCA-4-2-LSZH3M	DLCA-5-2-LSZH3M	DLCA-6-2-LSZH3M
SC Fiber Optic Pigtails						
SC Fiber Pigtail, 1M	CSCA-1-1-LSZH1M	DSCA-2-2-LSZH1M	DSCA-3-2-LSZH1M	DSCA-4-2-LSZH1M	DSCA-5-2-LSZH1M	DSCA-6-2-LSZH1M
SC Fiber Pigtail, 3M	CSCA-1-1-LSZH3M	DSCA-2-2-LSZH3M	DSCA-3-2-LSZH3M	DSCA-4-2-LSZH3M	DSCA-5-2-LSZH3M	DSCA-6-2-LSZH3M
ST Fiber Optic Pigtails						
ST Fiber Pigtail, 1M	CSTA-1-1-LSZH1M	DSTA-2-2-LSZH1M	DSTA-3-2-LSZH1M	DSTA-4-2-LSZH1M	DSTA-5-2-LSZH1M	DSTA-6-2-LSZH1M
ST Fiber Pigtail, 3M	CSTA-1-1-LSZH3M	DSTA-2-2-LSZH3M	DSTA-3-2-LSZH3M	DSTA-4-2-LSZH3M	DSTA-5-2-LSZH3M	DSTA-6-2-LSZH3M
MTRJ Fiber Optic Pigtails						
MTRJ Fiber Pigtail, 1M	CMTRJA-1-1-LSZH1M	DMTRJA-2-2-LSZH1M	DMTRJA-3-2-LSZH1M	DMTRJA-4-2-LSZH1M	DMTRJA-5-2-LSZH1M	DMTRJA-6-2-LSZH1M
MTRJ Fiber Pigtail, 3M	CMTRJA-1-1-LSZH3M	DMTRJA-2-2-LSZH3M	DMTRJA-3-2-LSZH3M	DMTRJA-4-2-LSZH3M	DMTRJA-5-2-LSZH3M	DMTRJA-6-2-LSZH3M

NOTE: Length and other Connector options available on demand



12-Fiber fiber Optic Pigtail Part Number

Type-length	Single mode	Multimode (OM1)	Multimode (OM2)	Multimode (OM3)	Multimode (OM4)	Multimode (OM5)
12 Fiber LC Fiber Optic Pigtails						
LC 12 Fiber Pigtail, 1M	CLCA-1-1-12-LSZH1M	DLCA-2-2-12-LSZH1M	DLCA-3-2-12-LSZH1M	DLCA-4-2-12-LSZH1M	DLCA-5-2-12-LSZH1M	DLCA-6-2-12-LSZH1M
LC12 Fiber Pigtail, 3M	CLCA-1-1-12-LSZH3M	DLCA-2-2-12-LSZH3M	DLCA-3-2-12-LSZH3M	DLCA-4-2-12-LSZH3M	DLCA-5-2-12-LSZH3M	DLCA-6-2-12-LSZH3M
12 Fiber SC Fiber Optic Pigtails						
SC 12 Fiber Pigtail, 1M	CSCA-1-1-12-LSZH1M	DSCA-2-2-12-LSZH1M	DSCA-3-2-12-LSZH1M	DSCA-4-2-12-LSZH1M	DSCA-5-2-12-LSZH1M	DSCA-6-2-12-LSZH1M
SC 12 Fiber Pigtail, 3M	CSCA-1-1-12-LSZH3M	DSCA-2-2-12-LSZH3M	DSCA-3-2-12-LSZH3M	DSCA-4-2-12-LSZH3M	DSCA-5-2-12-LSZH3M	DSCA-6-2-12-LSZH3M
12 Fiber ST Fiber Optic Pigtails						
ST 12 Fiber Pigtail, 1M	CSTA-1-1-12-LSZH1M	DSTA-2-2-12-LSZH1M	DSTA-3-2-12-LSZH1M	DSTA-4-2-12-LSZH1M	DSTA-5-2-12-LSZH1M	DSTA-6-2-12-LSZH1M
ST 12 Fiber Pigtail, 3M	CSTA-1-1-12-LSZH3M	DSTA-2-2-12-LSZH3M	DSTA-3-2-12-LSZH3M	DSTA-4-2-12-LSZH3M	DSTA-5-2-12-LSZH3M	DSTA-6-2-12-LSZH3M
12 Fiber MTRJ Fiber Optic Pigtails						
MTRJ 12 Fiber Pigtail, 1M	CMTRJA-1-1-12-LSZH1M	DMTRJA-2-2-12-LSZH1M	DMTRJA-3-2-12-LSZH1M	DMTRJA-4-2-12-LSZH1M	DMTRJA-5-2-12-LSZH1M	DMTRJA-6-2-12-LSZH1M
MTRJ 12 Fiber Pigtail,	CMTRJA-1-1-12-LSZH3M	DMTRJA-2-2-12-LSZH3M	DMTRJA-3-2-12-LSZH3M	DMTRJA-4-2-12-LSZH3M	DMTRJA-5-2-12-LSZH3M	DMTRJA-6-2-12-LSZH3M

NOTE: Length and other Connector options available on demand