

# Cable Assemblies

## SM Multi-Fiber Trunks (Standard)



Frog Engineering, offers the widest selection of pre-terminated trunk cables in the industry. They all feature all high-quality components and excellent performance.

Low loss connector performance and bend insensitive fiber single mode are standard in our products.

The different cables are manufactured with component materials that comply with RoHS and REACH directive standards. Cables are available in *TIA standard* colors or special orders.

Trunk cable construction types include narrow, micro-250, and ribbon buffer distribution in shielded and unshielded constructions.

Jacket ratings are available in Plenum (OFNP), Riser (OFNR), and LSZH.



## SPECIFICATIONS

<b>Product Type</b>	Multi-Fiber Trunks (Standard)
<b>Fiber Category</b>	Single-mode OS2
<b>Fiber Count</b>	4F - 288F
<b>Connector Type</b>	Pigtail / FC / FC/APC / LC Simplex / LC Duplex / LC 2.0mm Simplex / LC/APC Duplex / LC/APC Simplex / LC Reverse Polarity Uniboot / LC Push-Pull Uniboot / SC Simplex / SC Duplex / SC 2.0mm Simplex / SC/APC Simplex / SC/APC Duplex / ST / MTRJ Non-pinned / MTRJ Pinned
<b>Color</b>	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green

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## STANDARD AND COMPLIANCES

### SINGLE-MODE OS2

The standard single-mode offering is a 10mm OS2 bend insensitive fiber. Bend performances of 7.5mm and 5.0mm are also available.

#### COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-CAAB
- TIA-568-C.3
- TIA-568-D

#### NUMERICAL APERTURE

- .14 (characterized)

## CONNECTOR PERFORMANCE SPECIFICATIONS

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE
Single-mode LC	0.13 dB	0.20 dB
Single-mode SC	0.25 dB	0.20 dB
Single-mode ST	0.14 dB	0.20 dB
Single-mode FC	0.16 dB	0.20 dB
Single-mode MTRJ Pinned	0.25 dB	0.50 dB
Single-mode MTRJ Non-Pinned	0.17 dB	0.50 dB

## FEATURES

- Highly customizable to user preference
- Custom color jackets, connectors, and furcation legs
- Reduced installation time using OMNIA trunks with direct mount breakout kit
- Low loss connector performance is standard with ultra-low loss options available
- UPC and APC polishes, angled and flex boots, push-pull connectors
- 900µm up to 3.0mm furcation legs with staggered or straight breakouts

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### PART NUMBER CONFIGURATOR

	Armor	Fiber No.	Fiber Type	Connector A	Connector B	Length	Unit
FPC	X-	XXX-	XX-	XXX/	XXX-	XXX	X
A-Armado		1 N/A	SM	LCU	LCU		M (Meter)
		2	M1	LCA	LCA		F (Ft)
		4	M2	SCU	SCU		
		8	M4	SCA	SCA		
		12	M5	FCU	FCU		
		16		FCA	FCA		
		24		ST	ST		
		36		MTP	MTP		
		48					
		72					
		96					
		144					
		288					