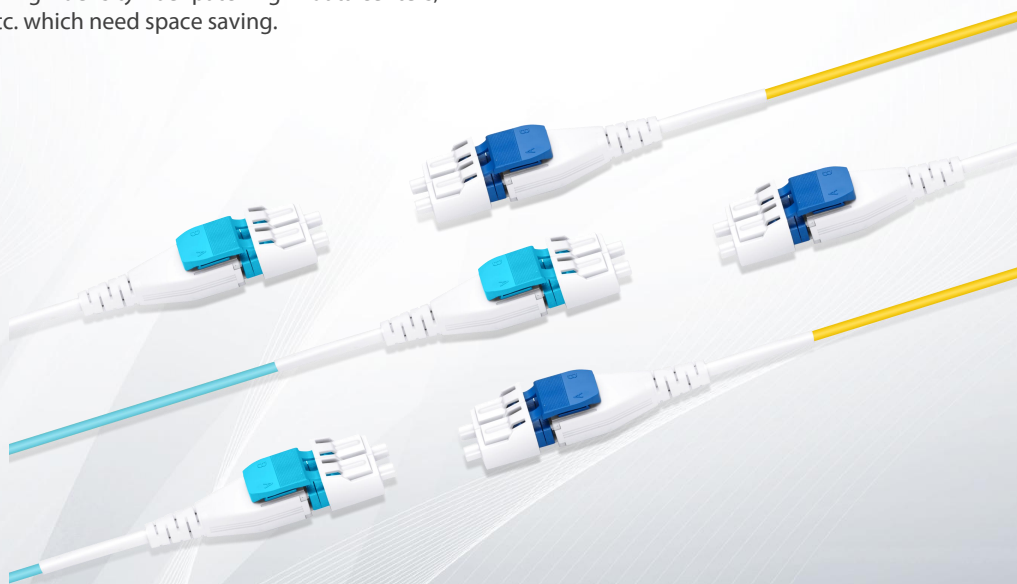


Uniboot LC Cables Datasheet

Ultra High-density Fiber Cabling in Data Centers

Designed for high-density fiber patching in data centers, LAN, WAN etc. which need space saving.



Uniboot LC Cables

FS.COM integrated reverse-polarity uniboot assembly meets the ultra high-density space requirements and enables quick and easy polarity management as well. The flat clip connector design makes it easy to engage and disengage from even the most compact panels, while Corning bend insensitive fiber features ultra-bendable performance and can greatly reduce outages and degradation in systems caused by severe bending problems.

Standards Compliance

- ROHS, ISO 9001 Compliant
- TIA 604(FOCIS)
- TIA/EIA 492AAAD
- IEC 61754
- IEC 60794-2-10/IEC 60793-2-10
- IEC61300-3-35
- YD/T125.25

Features

- Corning bend insensitive fiber features ultra-bendable performance.
- 2.0mm slim uniboot reduces cable congestion, improves cable management and air circulation.
- Flat clip design for ultra high-density cabling applications.
- Polarity reversible without any tools for quick and easy polarity management
- Flame-retardant, rugged and durable jacket.
- Factory terminated and tested for insertion loss, return loss and end face.

Technical Specification

Physical Characteristics	Description
Connector Type	LC to LC
Polish Type	SMF: UPC-UPC; UPC-APC; APC-APC MMF: UPC-UPC
Connector Ferrule	Zirconia Ceramic
Cable Outside Diameter	2.0mm
Interchangeability	≤0.2dB
Vibration	≤0.2dB

Minimum Bend Radius	SMF: 10mm; MMF: 7.5mm
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Mechanical Characteristics	Description
Fiber Type	OS2/OM3/OM4
Fiber Count	Duplex
Cable Jacket	PVC (Riser/OFNR)/LSZH/Plenum (OFNP)
Jacket Color	OS2: Yellow; OM3/OM4: Aqua
Fiber Grade	SMF: G.657.A1; MMF: Bend Insensitive

Optical Characteristics	Description
Connector Insertion Loss	≤0.3dB
Connector Return Loss	SMF: UPC≥50dB; APC≥60dB; MMF: ≥30dB
Attenuation at 1310nm	0.36 dB/km
Attenuation at 1550nm	0.22 dB/km
Attenuation at 850nm	3.0 dB/km
Attenuation at 1300nm	1.0 dB/km

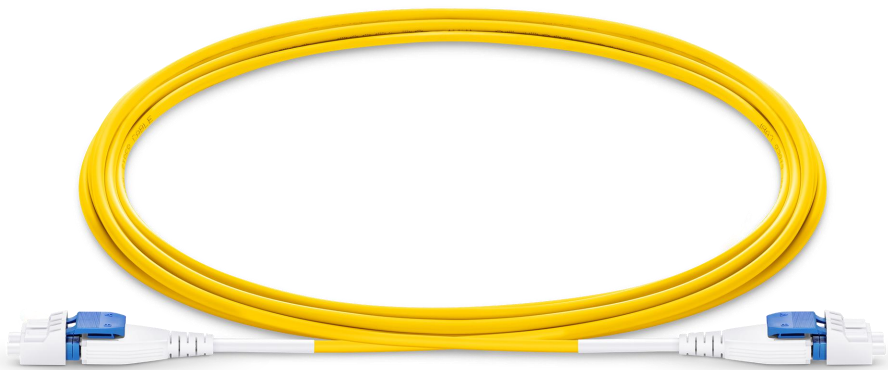
Environmental Characteristics	Description
Operating Temperature	LSZH/OFNR: -10 to +70°C; OFNP: 0~+60°C
Storage Temperature	LSZH/OFNR: -20 to +70°C; OFNP: -10 to +60°C

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
		SMF	1310nm	10km
	1000BASE-SX	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
		OM1	1300nm	220m
	10GBASE-LR	SMF	1310nm	10km
	10GBASE-ER	SMF	1550nm	30-40km
	10GBASE-ZR	SMF	1550nm	80-100km
40G	40G-BIDI	OM5	850nm	200m
		OM4	850nm	150m
		OM3	850nm	100m
	40GBASE-SR4	OM5	850nm	150m
		OM4	850nm	150m
		OM3	850nm	100m
	40G-SWDM4	OM5	850nm	440m
		OM4	850nm	350m
		OM3	850nm	240m
	40GBASE-LR4	SMF	1310nm	10km
100G	100GBASE-SR4	OM5	850nm	100m
		OM4	850nm	100m
		OM3	850nm	70m
	100G-SWDM4	OM5	850nm	150m
		OM4	850nm	100m
		OM3	850nm	75m
	100GBASE-SR10	OM4	850nm	125m
		OM3	850nm	100m
	100GBASE-LR4	SMF	1310nm	10km
	100GBASE-ER4	SMF	1310nm	40km

Reverse-polarity Flat Clip Uniboot Assembly

Reverse-polarity duplex fiber patch cable in a single boot with flat clip meets the high-density space requirements, and enables quick and easy polarity management as well.



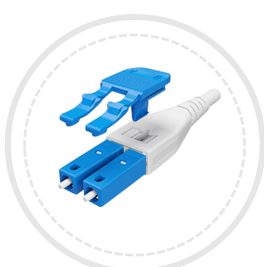
Corning Fiber



Flat Clip



Polarity Reversible

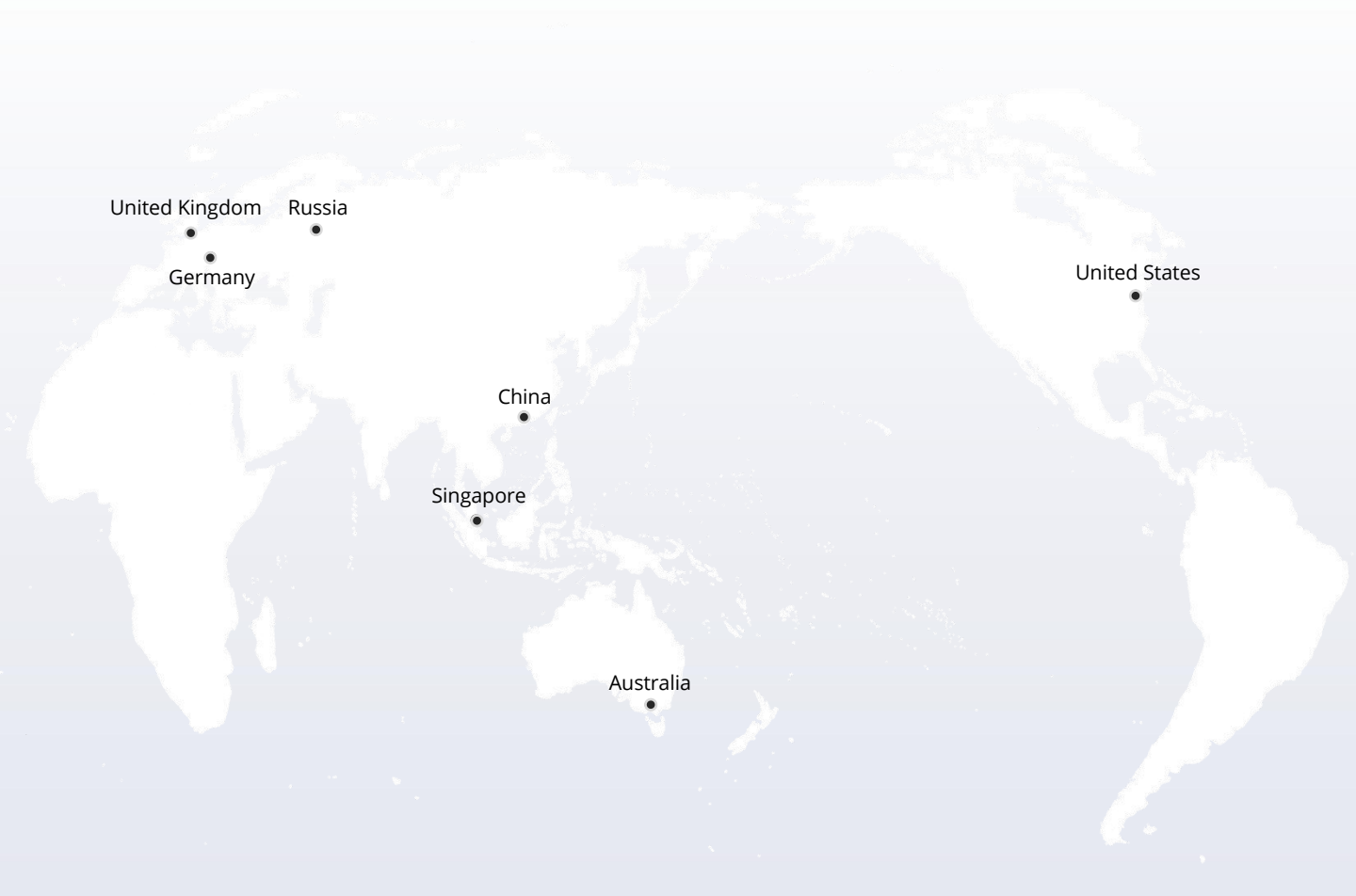


Hot Products

ID	Description
#72166	1m (3ft) LC UPC Uniboot Duplex 2.0mm OS2 Single Mode BIF , PVC(OFNR)
#72170	1m (3ft) LC UPC Uniboot Duplex 2.0mm OM4 Multimode BIF, PVC(OFNR)
#72167	2m (7ft) LC UPC Uniboot Duplex 2.0mm OS2 Single Mode BIF, PVC(OFNR)
#72171	2m (7ft) LC UPC Uniboot Duplex 2.0mm OM4 Multimode BIF, PVC(OFNR)
#72168	3m (10ft) LC UPC Uniboot Duplex 2.0mm OS2 Single Mode BIF, PVC(OFNR)
#72172	3m (10ft) LC UPC Uniboot Duplex 2.0mm OM4 Multimode BIF, PVC(OFNR)

Matching Products

ID	Description
#35488	12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel
#41998	12x LC Duplex, 24 Fibers OM4 Multimode FHD Fiber Adapter Panel
#57016	MTP-12 to 6x LC Duplex, Type A, 12 Fibers OS2 Single Mode FHD MTP Cassette
#57017	MTP-12 to 6x LC Duplex, Type A, 12 Fibers OM4 Multimode FHD MTP Cassette
#70361	1U 96 Fibers Rack Mount FHD HD Fiber Enclosure Unloaded, Holds up to 4x FHD Cassettes or Panels



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