

OS1/OS2

PREMIUM FIBER CABLING SYSTEM

OS1/OS2

This nCompass™ fiber solution combines Superior Essex Reduced Water Peak and TeraFlex® bend insensitive single mode fiber cabling with Infinium™ standard, high and ultra high density fiber connectivity by Legrand® to deliver guaranteed performance for Gigabit Ethernet, 10 Gigabit Ethernet and 40/100 Gigabit Ethernet. nCompass OS1/OS2 supports advanced network requirements used in data centers/storage area networks, backbone and campus environments.

SYSTEM BENEFITS

- Performance guarantee beyond the IEEE and Fibre Channel requirements for standard single-mode optical fiber cable
- Pre-terminated trunk cable assemblies deliver enhanced optical performance and fast deployment
- Backed by a Limited Lifetime Warranty

OS1/OS2 SMF Performance

Wavelength (nm)		1310	1383	1550
Maximum Attenuation (dB/km)	Tight Buffer	0.70	0.70	0.70
	Loose Tube	0.40		0.40
Typical Attenuation (dB/km)		0.41	0.41	0.41

OS1/OS2 SMF Performance (Max Length)

Wavelength (nm)	1310	1550
Guaranteed Supportable Ethernet Distances (km)	10 Gbps	25
	40 Gbps	10
	100 Gbps	10-40

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LEGRAND

FIBER FOR MIXED MEDIA

Description	Part Number
HD Duplex LC Fiber Module, Aqua	OR-HDFM-FLC2CL-00
HD Duplex LC Fiber Module, Blue	OR-HDFM-FLC2CA-00
HD Duplex LC Fiber Module, Green	OR-HDFM-FLC2CC-00
HD Duplex LC Fiber Module, Beige	OR-HDFM-FLC2CM-00
HD Duplex LC Fiber Module, Red	OR-HDFM-FLC2CG-00
HD Duplex LC Fiber Module, Yellow	OR-HDFM-FLC2CI-00
HD Simplex SC Fiber Module, Aqua	OR-HDFM-FSC1CL-00
HD Simplex SC Fiber Module, Blue	OR-HDFM-FSC1CA-00
HD Simplex SC Fiber Module, Green	OR-HDFM-FSC1CC-00
HD Simplex SC Fiber Module, Beige	OR-HDFM-FSC1CM-00
HD Simplex SC Fiber Module, Red	OR-HDFM-FSC1CG-00
HD Simplex SC Fiber Module, Yellow	OR-HDFM-FSC1CI-00
HD MPO Fiber Module, Type A, Aqua	OR-HDFM-FMTZNL-00
HD MPO Fiber Module, Type A, Green	OR-HDFM-FMTZNC-00
HD MPO Fiber Module, Type A, Beige	OR-HDFM-FMTZNM-00
HD MPO Fiber Module, Type A, Black	OR-HDFM-FMTZNH-00
HD MPO Fiber Module, Type A, Magenta	OR-HDFM-FMTZNN-00
HD MPO Fiber Module, Type A, Red	OR-HDFM-FMTZNG-00
HD MPO Fiber Module, Type A, Blue	OR-HDFM-FMTZNA-00
HD MPO Fiber Module, Type A, Gray Aligned Key	OR-HDFM-FMTZNE-00
HD Cassette MTP-LC, Single-mode	OR-HDCA6LC12AJ
Flat 24-Port HDJ Panel, Unloaded	OR-PHDHJU24
Flat 48-Port HDJ Panel, Unloaded	OR-PHDHJU48
Angled 24-Port HDJ Panel, Unloaded	OR-PHAHJU24
Angled 48-Port HDJ Panel, Unloaded	OR-PHAHJU48



OR-HDFM-FLC2CG-00



OR-HDFM-FSC1CA-00



OR-HDFM-FMTZNC-00

INFINIUM™ ULTRA HIGH DENSITY (UHD) FIBER SYSTEM

Description	Capacity	Height	Part Number
UHD 1U Rack Mount Enclosure, Long	12 Modules	1RU	OR-UC01U-P
UHD 1U Rack Mount Enclosure, Short	12 Modules	1RU	OR-UC01U-A
UHD 2U Rack Mount Enclosure, Long	24 Modules	2RU	OR-UC02UA-P
UHD 4U Rack Mount Enclosure, Long	48 Modules	4RU	OR-UC04UA-P
UHD M6 Cassette, MTP-LC Quad, OS2	12 LC	0.3RU	OR-M6LCQ12-09
UHD 4-MPO Adapter Module - OS2	4 MPO	0.3RU	OR-UHDFP-MPA48CA



OR-UC01U-P

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INFINIUM HIGH DENSITY (HD) FIBER SYSTEM

Description	Capacity	Height	Part Number
HD 1U Rack Mount Enclosure	4 Modules	1RU	OR-FC01U-M
HD 2U Rack Mount Enclosure	8 Modules	2RU	OR-FC02U-M
HD 4U Rack Mount Enclosure	16 Modules	4RU	OR-FC04U-M
HD M4 Cassette MTP-LC Quad, OS2	12 LC	1RU	OR-M4LCQ24-09
HD MPO Adapter Panel Green Type A	6 MPO	1RU	OR-HDFP-MPA72CA
HD LC Adapter Panel, Ceramic Sleeve, Blue Adapters	24 LC	1RU	OR-HDFP-LCQ24AC
HD Blank Panel		1RU	OR-HDFP-BLANK



OR-FC04U-M

INFINIUM STANDARD DENSITY (SD) FIBER SYSTEM

Description	Capacity	Height	Part Number
SD 1U Rack Mount Enclosure	3 Modules	1RU	OR-FC01U-C
SD 2U Rack Mount Enclosure	6 Modules	2RU	OR-FC02U-C
SD 4U Rack Mount Enclosure	12 Modules	4RU	OR-FC04U-C
SD M2 Cassette MTP-LC Quad, OS2	24 LC	1RU	OR-M2LCQ24-09
SD M2 Cassette MTP-LC Duplex, OS2	12 LC	1RU	OR-M2LCD12-09
SD 8-MPO Adapter Panel Green, Type A	8 MPO	1RU	OR-OFP-MPA96CA
SD 6-MPO Adapter Panel Green Type A	6 MPO	1RU	OR-OFP-MPA72CA
SD LC Adapter Panel, Ceramic Sleeve, Blue Adapters	24 LC	1RU	OR-OFP-LCQ24AC
SD LC Adapter Panel, Ceramic Sleeve, Blue Adapters	12 LC	1RU	OR-OFP-LCD12AC
SD Blank Panel		1RU	OR-OFP-BLANK



OR-OFP-MPA96C



OR-FC01U-C

INFINIUM RACK MOUNT FIBER ENCLOSURE DENSITY CAPABILITIES

Density	Number of LC Ports in 1RU	Number of MPOs in 1RU	Number of Fibers Using 12F MPO in 1RU
Standard Density	72	24	288
High Density	96	24	288
Ultra High Density	144	48	576



OR-OFP-LCQ24AC

INFINIUM FIBER PATCH CORDS

Description	Polarity	Fiber	Connectors	Part Number
SpaceSaver Cord, 0.3dB Max, 2.4mm Round	Configurable	OS1	Reconfigurable LC RLC - RLC, UPC	OR-P1DC6IPPZPZxxxM
SpaceSaver Cord, 0.3dB max, 2.4mm Round	A-B	OS1	Duplex LC - Duplex LC, UPC	OR-P1DC6LPUZUZxxxM
SpaceSaver Cord, 0.3dB max, 2.4mm Round	A-A	OS2	Duplex LC - Duplex LC, UPC	OR-P1RG6LPUZUZxxxM
2mm Zip Cord, 0.3dB Max	Configurable	OS1	LC - LC, UPC	OR-P1DC2IRSZSZxxxM

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INFINIUM™ PRE-TERMINATED FIBER TRUNK CABLES

Microdistribution Loose Tube Cable, Premium Low-Loss MTP(F) to MTP(F) Plenum	Fiber Type	Part Number
12 Strand	OS2	OR-TADPIFJZIZIxxxM
24 Strand	OS2	OR-TADPIIJGIGIxxxM
48 Strand	OS2	OR-TADPIKJGIGIxxxM
Microdistribution Loose Tube Cable, Premium Low-Loss MTP(F) to MTP(F) Riser	Fiber Type	Part Number
12 Strand	OS2	OR-TADRIFJZIZIxxxM
24 Strand	OS2	OR-TADRRIJGIGIxxxM
48 Strand	OS2	OR-TADRKJGIGIxxxM
Single Loose Tube Indoor/Outdoor MTP(F) to MTP(F) Riser	Fiber Type	Part Number
12 Strand	OS2	OR-TAERHFJGIGIxxxM
48 Strand	OS2	OR-TAERHKJGIGIxxxM
96 Strand	OS2	OR-TAERHOJGIGIxxxM

Please ask your Ortronics Rep to immediately configure your exact pre-terminated cable requirements with our online cable configurator tool.



OR-TADPIKCGIGIXXXM

INFINIUM HILOC INTEGRATED HARNESS SYSTEMS

Description	Capacity	Height	Part Number
Rack mount 2U enclosure, holds 24 HiLOC shells	24 HiLOC	2RU	OR-HC02U-P
HiLOC multi-use panel, holds 4 HiLOC shells	4 HiLOC	0RU	OR-60401144
MTP to LC HiLOC Harness, OS2, Plenum, Reconfigurable LC Connectors, No Stagger	12 LC		OR-HITCMNNZxMYZxxM

Please ask your Ortronics representative to immediately configure your exact pre-terminated HiLOC Harness requirements with our online configurator.

WORKSTATION SYSTEMS

Description	Color	Part Number
Fib-or-Cop II		
Base and Cover for Three Series II modules 5" x 8" x 1.19"	Fog White	OR-62100040
Base and Cover for Six TracJack® modules 5" x 8" x 1.19"	Fog White	OR-62100041
6 - LC Duplex Singlemode, Blue Adapters, Ceramic Alignment Sleeves	Blue Adapters	OR-62100051
TracJack Modules		
1 - LC Duplex Singlemode, 180° exit, Flush, 1 Unit, Fog White	Blue Adapters	OR-63700076
1 - LC Duplex Singlemode, 45° angled exit, Flush, 2 Units, Fog White	Blue Adapters	OR-63700065



OR-62100040

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FUSION SPlice ACCESSORIES

Description	Part Number
48 Fiber Splice Tray, Use 2.5mm Splice Protector Sleeves	OR-FST3-F048
2.5mm Splice Protector Sleeves, Pack of 50, 40mm Long	OR-20500337
12 Fiber Splice Tray, Use 3.0mm Splice Protector Sleeves	OR-FST2-F012
3.0mm Splice Protector Sleeves, Pack of 50, 40mm Long	OR-20500043



OR-FST2-F012

INFINIUM™ FIELD-INSTALLABLE CONNECTORS

Description	Part Number
LC UPC reusable connector, Single-mode, Blue	OR-205KNT9SA-09
SC UPC reusable connector, Single-mode, Blue	OR-205KNT9RA-09
SC APC reusable connector, Single-mode, Green	OR-205KNT9LA-09



OR-205KNT9LA-09

SUPERIOR ESSEX

SIMPLEX, DUPLEX AND QUAD INTERCONNECT CABLES

Listing	Part Number ¹	Configuration	Fiber Count
OFNR	33001x101	Round	1
OFNR	A3001x101	Round	1
OFNR	B3002x101	Zip	2
OFNR	C3002x101	Zip	2
OFNR	33***x101	Round	2, 4
OFNP	34001x101	Round	1
OFNP	A4001x101	Round	1
OFNP	B4002x101	Zip	2
OFNP	C4002x101	Zip	2
OFNP	34***x101	Round	2, 4



MICROARRAY CABLES

Listing	Part Number ¹	Configuration	Fiber Count
OFNR	P3012x101	Interconnect	12
OFNR	P3024x1A1	Interconnect	24
OFNR	P3024x1B1	Breakout	24
OFNR	P3***x101	Breakout	48, 72
OFNP	P4024x1A1	Interconnect	12
OFNP	P4024x1A1	Interconnect	24
OFNP	P4024x1B1	Breakout	24
OFNP	P4***x101	Breakout	48, 72



¹Where *** = fiber count (001, 002, 004, 006, 008, 012, 018, 024, 030, 036, 048, 060, 072, 096, 144)

*Superior Essex fiber cables provide EPDs, HPDs.

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SUPERIOR ESSEX DISTRIBUTION CABLES

Listing	Part Number ¹	Configuration	Fiber Count
OFNR	43***x101	Single Unit	6, 8, 12
OFNR	43***xK01	Single Unit	18, 24
OFNR	43***x101	Multi-Unit	18 - 144
OFNP	44***x101	Single Unit	6, 8, 12
OFNP	44***xK01	Single Unit	18, 24
OFNP	44***x101	Multi-Unit	18 - 144



OS1 OPTICAL FIBER TYPES

	Reduced Water Peak	TeraFlex® Bend Resistant		
		G.657.A1	G.657.A2	G.657.B3
Replace "x" with:	3	K	J	L

¹Where *** = fiber count (001, 002, 004, 006, 008, 012, 018, 024, 030, 036, 048, 060, 072, 096, 144)

*Superior Essex fiber cables provide EPDs, HPDs.