

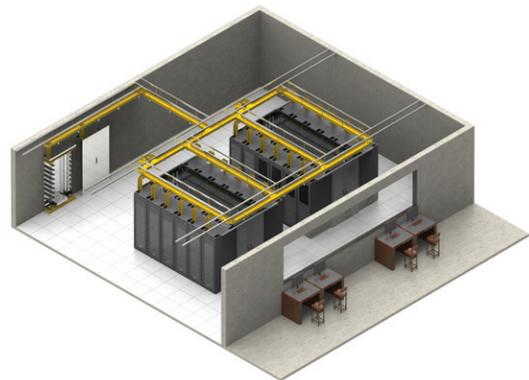
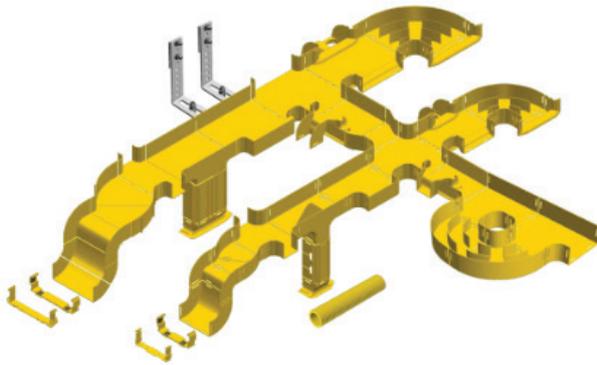
# Fiber Raceway >

Molex Connected Enterprise Solutions is offering the Optical Fiber Duct Raceway product portfolio as a ducting solution for the cables for data center racks. The standard color is yellow and offering includes the most common part numbers for you to construct your fiber cables pathway.

To meet the accelerating growth of the data centers to support the digital space and AI transformation is increasing faster than ever before. Molex is committed to connecting businesses with the information and support they need working to power industries with newer solutions to support the various global market segments. For this fiber raceway product Molex is in partnership with Warren and Brown an established supplier.

The Fiber Raceway components include straight duct pathway lengths, tees, elbows and crosses, joiners, end caps, tubing, reducers, and express outlets. Molex offers brackets, mounting hardware, as well as tool kits to aid with installation.

Contact Molex to support your optical fiber ducting pathway design for your project. We can assist you with your specific configuration and provide a corresponding bill of materials (BOM).



*Images show the fiber raceway with several different options to manage the fiber cables about the datacenter racks. The yellow raceway components offered include mounting hardware, down drops, elbow/corner pieces, straight duct pieces among others.*

## FEATURES AND ADVANTAGES

These features and benefits make Molex's Fiber Raceway product offering a reliable and efficient solution for managing optical fiber cables in various environments.

**Robust and Versatile:** Designed to support seamless growth, ensuring that data centers are future proof.

**Fire Resistant:** Made from Low Smoke Zero Halogen (LSZH) material certified to UL94V0 specifications, reducing toxic and corrosive gas emissions during a fire.

**Protection:** Ensures all critical points of the fiber cable management are met, including bend radius protection, cable access and routing, and physical protection.

**Ease of use,** in the industry standard yellow color and 100, 220 and 300mm (4 , 8.6, and 12 inches) dimensions.

**Customizable:** Can be easily customized and designed for specific facility requirements, with options for slotted or slotless joiners.

**High Quality Standards:** Manufactured to the highest quality standards (ISO9001), complying with UL2024A & ROHS, and carrying a 10-year warranty.

**Versatile Installation:** Components snap together or can be joined with "slotless" joiners, with vertical drops easily positioned or added.

[www.molex.com/products/fiber](http://www.molex.com/products/fiber)

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## SPECIFICATIONS

### Requirements & Standards

The fiber raceway conforms to the following requirements and standards:

ISO9001 Certified Quality Management system by BSI

Halogen free and fire-retardant plastic requirements: UL94V-0 for 100, 220 and 300 mm (4 , 8.6, and 12 inches) ducting.

UL94V-1 for 30 and 50mm ducting

Low Smoke Zero Halogen (LSZH)

UL2024A standard

EEU-ROHS requirements

GR-63-CORE earthquake test compliance

TSCA approved

## ORDERING INFORMATION

### ELBOW, JUNCTIONS, COVERS & DROPS

Order No.	SAP No.	Description	
FR-TEE-220MM-ASS-Y	181130001	TEE 220MM ASSEMBLY DUCT SYSTEM, YELLOW	
FR-TEE-100MM-ASS-Y	181130002	100MM TEE ASSEMBLY, YELLOW	
FR-ECADT100/88-Y	181130003	100MM ENDCAP WITH 88MM ADAPTOR, YELLOW	
FR-DCTEN100-2X50-Y	181130004	DUCT END COVER 100MM (2X50 CONVOLUTE), Y	
FR-TEE300-ASS-Y	181130005	300MM TEE ASSY, YELLOW	
FR-XCONN220-ASS-Y	181130006	220MM X CONNECTOR ASSEMBLY, YELLOW	
FR-XCONN100-ASS-Y	181130007	100 X 100 CONNECTOR ASSEMBLY, YELLOW	

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## ORDERING INFORMATION (CONT.)

Order No.	SAP No.	Description	
FR-DCTENDCOV100-Y	181130008	DUCT END COVER 100MM, YELLOW	
FR-90HRZELBW100-Y	181130009	HORIZONTAL ELBOW 90DEG -100MM, YELLOW	
FR-90HRZELBW220-Y	181130010	ELBOW 90 DEG 220MM ASSEMBLY, YELLOW	
FR-TOVDRPSLT-50-Y	181130013	TOP OUTLET VERT 50MM DROP - SLOT, YELLOW	
FR-TOVDRPSLT100-Y	181130014	TOP OUT VERT 100 DROP - SLOT, YELLOW	
FR-90HRZELB300-Y	181130019	ELBOW 90 DEG HORIZ 300MM ASS YELLOW	
FR-BRO100-ASS-Y	181130020	BREAK OUT ASSEMBLY 100X100MM - YELLOW	
FR-90VERTELB100-Y	181130021	100MM 90 DEG DOWN ELBOW ASS, YELLOW	

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## ORDERING INFORMATION (CONT.)

### JOINERS

Order No.	SAP No.	Description	
FR-DCTJOIN220-Y	181130015	JOINER 220MM DUCT SYSTEM, YELLOW	
FR-DCTJOIN100-Y	181130016	JOINER 100MM DUCT SYSTEM, YELLOW	
FR-SNPJOIN12IN-Y	181130017	12" SNAP ON JOINER (NO CAGE NUTS) YELLOW	
FR-NSJOIN100-ASS-Y	181130018	100MM SLOTLESS JOINER ASS, YELLOW	

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## ORDERING INFORMATION (CONT.)

### STRAIGHT DUCT

Order No.	SAP No.	Description	
FR-DUCT+LID-220-Y	181130032	220MM DUCT & SNAP ON LID ASSY, YELLOW	
FR-DUCT-220-Y	181130033	220MM EXTRUSION DUCT SYS, YELLOW	
FR-DUCT+LID-100-Y	181130034	100MM DUCT & SNAP ON LID ASSY, YELLOW	
FR-DUCT-100-Y	181130035	100MM EXTRUSION DUCT SYS, YELLOW	
FR-DCTLID/SL-300-Y	181130036	300MM DUCT & LID ASS (SLOTTED) YELLOW	
FR-DCT/SLT-300-Y	181130037	300MM DUCT EXTRUSION - INC SLOTS, YELLOW	
FR-DCT600X100-2M-Y	181130038	600X100 DCT BODY ONLY X 2 MT LONG,YELLOW	

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## ORDERING INFORMATION (CONT.)

### TUBING

Order No.	SAP No.	Description	
FR-CVTUBE88-2M-Y	181130011	CONVOLUTED TUBE 88MM OD 2MT LG, YELLOW	
FR-CVTUBE44-2M-Y	181130012	CONV.TUBE YELLOW 44MM ID X 2MT, YELLOW	

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## ORDERING INFORMATION (CONT.)

### MOUNTING BRACKETS

Order No.	SAP No.	Description	
FR-MNTBR+BLT-100	181130022	100MM MOUNTING BRACKET & BOLT	
FR-MNTBR+BLT-220	181130023	220MM MOUNTING BRACKET & BOLT	
FR-SUSPBRKT-220	181130024	220MM DUCT SUSPENSION BRACKET KIT	
FR-SUSPBRKT-100	181130025	SUSPENSION BRACKET ASSEMBLY 100MM	
FR-LDRMT-100/220	181130026	LADDER RACK MOUNT KIT 100/220MM	
FR-SUSPBRKT-300	181130027	300MM H.D MOUNTING BRACKET	
FR-VERTSTRUTMT-KT	181130028	VERTICAL STRUT MOUNT KIT	
FR-DUCMKT-SCW-300	181130029	300MM DUCT MOUNT KIT FOR SCREW	
FR-MNTBRKT-600	181130030	MOUNTING BRACKET ASSEMBLY 600MM	
FR-DCTCLMP-UNIV	181130031	DUCT CLAMP UNI 100, 220, 300 (10 pcs)	

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### INSTALL / MOUNTING TOOLS

Order No.	SAP No.	Description	
FR-SLOTWRENCH-KIT	182560009	SLOTTING TOOL & WRENCH	
FR-HYDSLOT- KIT	182560010	SLOTTING TOOL - HAND, HYDRAULIC IN CARRY CASE	
FR-CUT-JIG-ASS	182560011	CUTOUT JIG ASSEMBLY	
FR-MITREBX-100/220	182560012	MITRE BOX 220 & 100MM	

## MOLEX CONTACT

Reach out to your nearest Molex CES representative for inquiry and quotation of the Optical Fiber Duct Raceway.

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