

# Dome Outdoor Fiber Optic Splice Enclosure >

The Molex dome type outdoor fiber optic splice enclosure is used for optical fiber cable splicing and protection in outdoor environments with wide capability range from 48 to 576 fibers with IP68 protection.



## FEATURES AND ADVANTAGES

Wide capability range 48-576 fibers

Various choice based on fiber counts

IP68 protection

Compact size

High reliability

Wall mount, aerial hanger or pole hold

RoHS compliant

## SPECIFICATIONS

### Mechanical

#### Material:

High impact resistance PP with anti-UV

#### Insulation resistance:

$\geq 2 \times 10^4 \text{ M}\Omega / 500\text{V (DC)}$

#### Voltage resistance:

$\geq 15000\text{V (DC) / 1min}$

#### Stretching:

$> 600\text{N}$  axial tension

#### Pressure:

$> 1500\text{N} / 100\text{mm}$

#### Impact:

16Nm, 3 times

#### Bending tension:

150N,  $\pm 45^\circ$  for 10 cycles.

#### Working temperature:

$-40^\circ\text{C} \pm 65^\circ\text{C}$

#### Storage and transportation

temperature:  $-25^\circ\text{C} \sim 65^\circ\text{C}$

#### Relative humidity:

$\leq 85\%$  ( +  $30^\circ\text{C}$  )

#### Atmospheric pressure:

70 ~ 106kPa

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# Dome Outdoor Fiber Optic Splice Enclosure

Part Number	Entrance Hole	Trays	Max Fiber Cores	Dimension (mm)
WFR-00073	3 round, 1 oval	5	120	Ø 168 × 434.5
WFR-00074	4 round, 1 oval	6	144	Ø 182.5 × 509.1
WFR-00077	6 round, 1 oval	12	288	Ø 228 × 527.5
WFR-00078	3 round, 1 oval	4	48	Ø 146 × 300.5
WFR-00079	6 round, 1 oval	48	576	Ø 228 × 527.5

## ACCESSORY LISTING

WFR-00073	Specification	Unit	Quantity
Round head self tapping screw	C type 4*8/ iron/bright grid	PCS	3
Large flat head self tapping screw	C type 5*15/ iron/bright grid	PCS	4
Pin	Nancial 4*19/ iron/nickel plating	PCS	1
Hexagonal nut	M4/ iron/bright grid	PCS	2
Round head screw	M4*20/ iron/bright grid	PCS	2
Round head screw	M5*16/ iron/bright grid	PCS	2
Hexagonal nut	M5/ iron/bright grid	PCS	2
Spring washers	Nancial 6* nancial 4*1mm/ iron/plating	PCS	2
Flat mat	Gan9 * gan4 *0.8mm/ iron/galvanized	PCS	2
PE self-sealing plastic bag	7CM* 8.5cm/no holes/no/transparent	PCS	1
Plastic pipe	Outer diameter nancial 4mm wall thickness 0.6mm/ plastic/white	M	1
Optical cable diverter	S Size	PCS	1
Aluminium foil	15cm*10cm(with backing glue)	PCS	1
Heat shrinkable tube	Nancial 30*100mm/ black (screw glue on inner wall)	PCS	3
Heat shrinkable tube	Nancial 45*120mm/ black (screw glue on inner wall)	PCS	1
Nylon cable tie	3 mm * 120 mm/white	PCS	10
Fiber optic heat-shrinkable sleeve	60mm*2.6*1.2	PCS	120
Insulating tape	0.15*17mm*5 size/black	PCS	1
Back-to-back Velcro	350 mm * 15 mm * 3 mm/black	PCS	1
PE self-sealing plastic bag	18cm*23cm/ 2 holes/neutral/transparent	PCS	1
PE plastic bags	35*60CM/ non-perforated transparent (open end is 35CM)	PCS	1
Pole mounted accessories	Stainless	SET	1

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# Dome Outdoor Fiber Optic Splice Enclosure

WFR-00074	Specification	Unit	Quantity
Back-to-back Velcro	350 mm * 15 mm * 3 mm/black	PCS	1
Pin	Nancial 4*19/ iron/nickel plating	PCS	1
Hexagonal nut	M4/ iron/bright grid	PCS	2
Round head screw	M4*20/ iron/bright grid	PCS	2
Round head screw	M5*16/ iron/bright grid	PCS	2
Hexagonal nut	M5/ iron/bright grid	PCS	2
Spring washers	Nancial 6* nancial 4*1mm/ iron/plating	PCS	2
Flat mat	Gan9 * gan4 *0.8mm/ iron/galvanized	PCS	2
PE self-sealing plastic bag	7CM* 8.5cm/no holes/no/transparent	PCS	1
Plastic pipe	Outer diameter nancial 5mm wall thickness 0.6mm/ plastic/white	M	0.8
Nylon cable tie	3 mm * 120 mm/white	PCS	10
Fiber optic heat-shrinkable sleeve	60mm*3.0*1.5	PCS	144
Insulating tape	0.15*17mm*8 size/black	PCS	1
Aluminium foil	15cm*10cm(with backing glue)	PCS	1
Heat shrinkable tube	Nancial 30*100mm/ black (screw glue on inner wall)	PCS	4
Heat shrinkable tube	Nancial 60*150mm/ black (screw glue on inner wall)	PCS	1
Optical cable diverter	S Size	PCS	1
PE self-sealing plastic bag	18cm*23cm/ 2 holes/neutral/transparent	PCS	1
PE plastic bags	35*70CM/ non-perforated transparent (open end at 35CM)	PCS	1
Inside the box	A38/52 * 21.5 * 20.5 / no	PCS	1
Carton	K636/54 * 45 * 44 / neutral	PCS	0.25
Pole mounted accessories	Stainless	SET	1

# Dome Outdoor Fiber Optic Splice Enclosure >

WFR-00077	Specification	Unit	Quantity
Back-to-back Velcro	600 mm * 15 mm * 3 mm/black	PCS	1
Pin	Nancial 4*19/ iron/nickel plating	PCS	1
Hexagonal nut	M4/ iron/bright grid	PCS	2
Round head screw	M4*20/ iron/bright grid	PCS	2
Round head screw	M5*16/ iron/bright grid	PCS	2
Hexagonal nut	M5/ iron/bright grid	PCS	2
Spring washers	Nancial 6* nancial 4*1mm/ iron/plating	PCS	2
Flat mat	Gan9 * gan4 *0.8mm/ iron/galvanized	PCS	2
PE self-sealing plastic bag	7CM* 8.5cm/no holes/no/transparent	PCS	1
Plastic pipe	Outer diameter nancial 5mm wall thickness 0.6mm/ plastic/white	M	1
Nylon cable tie	3 mm * 120 mm/white	PCS	10
Fiber optic heat-shrinkable sleeve	60mm*3.0*1.5	PCS	288
Heat shrinkable tube	Nancial 30*100mm/ black (screw glue on inner wall)	PCS	6
Heat shrinkable tube	Nancial 60*150mm/ black (screw glue on inner wall)	PCS	1
Optical cable diverter	S Size	PCS	1
Insulating tape	0.15*17mm*5 size/black	PCS	1
PE self-sealing plastic bag	23cm*26cm/ 2 holes/neutral/transparent	PCS	1
PE plastic bags	45CM*70CM/ no holes/no/transparent	PCS	1
Inside the box	A3B/53.5*26*25 / no	PCS	1
Pole mounted accessories	Stainless	SET	1

# Dome Outdoor Fiber Optic Splice Enclosure >

WFR-00078	Specification	Unit	Quantity
Hexagonal nut	M4/ iron/bright grid	PCS	2
Round head screw	M4*20/ iron/bright grid	PCS	2
Round head screw	M5*16/ iron/bright grid	PCS	2
Hexagonal nut	M5/ iron/bright grid	PCS	2
Spring washers	Nancial 6* nancial 4*1mm/ iron/plating	PCS	2
Flat mat	Gan9 * gan4 *0.8mm/ iron/galvanized	PCS	2
PE self-sealing plastic bag	7CM* 8.5cm/no holes/no/transparent	PCS	1
Plastic pipe	Outer diameter nancial 4mm wall thickness 0.6mm/ plastic/white	M	1
Optical cable diverter	S Size	PCS	1
Aluminium foil	15cm*10cm(with backing glue)	PCS	1
Heat shrinkable tube	Nancial 30*100mm/ black (screw glue on inner wall)	PCS	3
Heat shrinkable tube	Nancial 40*100mm/ black (screw glue on inner wall)	PCS	1
Nylon cable tie	3 mm * 120 mm/white	PCS	5
Fiber optic heat-shrinkable sleeve	45mm*3.0*1.5	PCS	48
Insulating tape	0.15*17mm*5 size/black	PCS	1
PE self-sealing plastic bag	18cm*23cm/ 2 holes/neutral/transparent	PCS	1
Pole mounted accessories	Stainless	SET	1

# Dome Outdoor Fiber Optic Splice Enclosure

WFR-00079	Specification	Unit	Quantity
Pin	Nancial 4*19/ iron/nickel plating	PCS	1
Hexagonal nut	M4/ iron/bright grid	PCS	2
Round head screw	M4*20/ iron/bright grid	PCS	2
Round head screw	M5*16/ iron/bright grid	PCS	2
Hexagonal nut	M5/ iron/bright grid	PCS	2
Spring washers	Nancial 6* nancial 4*1mm/ iron/plating	PCS	2
Flat mat	Gan9 * gan4 *0.8mm/ iron/galvanized	PCS	2
PE self-sealing plastic bag	7CM* 8.5cm/no holes/no/transparent	PCS	1
Plastic pipe	Outer diameter nancial 5mm wall thickness 0.6mm/plastic/white	M	1
Nylon cable tie	3 mm * 120 mm/white	PCS	15
Fiber optic heat-shrinkable sleeve	45mm*2.3*1.0	PCS	576
Heat shrinkable tube	Nancial 30*100mm/ black (screw glue on inner wall)	PCS	6
Heat shrinkable tube	Nancial 60*150mm/ black (screw glue on inner wall)	PCS	1
Optical cable diverter	S Size	PCS	1
Insulating tape	0.15*17mm*5 size/black	PCS	1
PE self-sealing plastic bag	23cm*26cm/ 2 holes/neutral/transparent	PCS	1
PE plastic bags	45CM*70CM/ no holes/no/transparent	PCS	1
Inside the box	A3B/53.5*26*25 / no	PCS	1
Pole mounted accessories	Stainless	SET	1

## ORDERING INFORMATION

Order No.	SAP No.	Description
WFR-00073	180970159	120 Fiber Dome Outdoor Fiber Optic Splice Enclosure
WFR-00074	180970160	144 Fiber Dome Outdoor Fiber Optic Splice Enclosure
WFR-00077	180970163	288 Fiber Dome Outdoor Fiber Optic Splice Enclosure
WFR-00078	180970164	48 Fiber Dome Outdoor Fiber Optic Splice Enclosure
WFR-00079	180970166	576 Fiber Dome Outdoor Fiber Optic Splice Enclosure

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