



DEM1 24 to 144 Fibre Dome Enclosure

An IP68 rated dome enclosure, designed to protect joints of optical cable in duct and aerial applications. It features 1 oval and 4 round cable entry/exit ports. This enclosure can house up to 6 trays. Each tray can accommodate up to 24 fibre splices.

Features

- Can house 24-144 fibre splices
- Up to 6 splice trays or 4 trays and a storage basket for improved cable management.
- 24 fibre hinged splice trays
- IP68 rated
- No special tools needed to open the enclosure – it can be opened and used repeatedly
- Heat sealed entry/exit ports
- Compatible with most of the cable types and cable constructions
- Comes with accessories pack that includes seals, earthing kit, etc.

Applications

- Duct/direct burial applications
- Aerial applications

Specifications

ELEMENT	VALUE
Material	PolyPro
Applicable Cable Diameter	Oval Port (10-25 mm) – Round Port (6-25 mm)
Maximum Splice Tray Capacity	24 Fibres
Maximum Number of Trays	6 or 4 + Storage Basket
Maximum Capacity	144 Fibres (with 6 trays) or 96 Fibres (4 trays and storage basket)
Sealing method	Mechanical and Heat Shrinkable Seals

PARAMETER	UNIT	VALUE
Operating Temperature	°C	-40 to +70
Atmospheric pressure	Kpa	70-150
Axial Tension	N/1min	>2000
Stretching Resistance	N/10cm ² (1min)	2500
Insulation Resistance	MΩ	>2*10 ⁴
Voltage Strength	KV/1min	15 (no arcover or breakdown)
Splice tray bend radius	mm	>40

Ordering Information

DESCRIPTION	PART NUMBER
DEM1 Dome Enclosure for 24 Fibres (1 Splice Tray + Storage Basket)	CDEM1-24
DEM1 Dome Enclosure for 48 Fibres (2 Splice Trays + Storage Basket)	CDEM1-48
DEM1 Dome Enclosure for 72 Fibres (3 Splice Trays + Storage Basket)	CDEM1-72
DEM1 Dome Enclosure for 96 Fibres (4 Splice Trays + Storage Basket)	CDEM1-96
DEM1 Dome Enclosure for 24 Fibres (1 Splice Tray - No Storage Basket)	CDEM1-24-NS
DEM1 Dome Enclosure for 48 Fibres (2 Splice Trays - No Storage Basket)	CDEM1-48-NS
DEM1 Dome Enclosure for 72 Fibres (3 Splice Trays - No Storage Basket)	CDEM1-72-NS
DEM1 Dome Enclosure for 96 Fibres (4 Splice Trays - No Storage Basket)	CDEM1-96-NS
DEM1 Dome Enclosure for 120 Fibres (5 Splice Trays - No Storage Basket)	CDEM1-120-NS
DEM1 Dome Enclosure for 144 Fibres(6 Splice Trays - No Storage Basket)	CDEM1-120-NS



Accessories included in all part number configurations

Technical Drawing

