



# Roxtec Splice Box 1

– PROTECTING YOUR NETWORK

## Sealed by Roxtec

The Roxtec fiber optic splice box is a butt splice closure equipped with our first class cable sealing technologies. The robust box is made of reinforced PP (polypropylene) and designed to secure continuous operation in high speed fiber networks – in any demanding environment. The seals in the ports of the lid eliminate the risk of water or humidity.

## Flexible solution

Thanks to Multidiameter™, our unique solution based on removable rubber layers, Roxtec mechanical seals provide adaptability to cables of different sizes as well as optional spare capacity for upgrades. Our box does not only provide certified protection. It is also developed to simplify fiber management and ensure quick and easy installation.

## BENEFITS

- Certified water-tightness
- Cold sealing technology
- Multidiameter™ by Roxtec
- Robust box design
- Easy to install and maintain

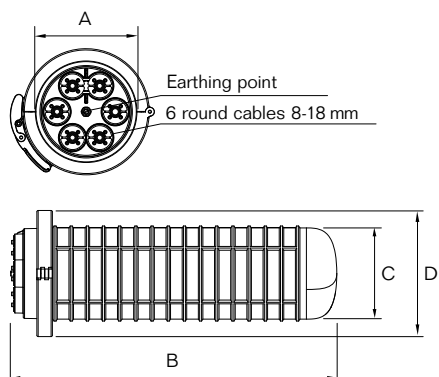
### Superior storage capacity

The six individual cable ports of the Roxtec Splice Box provide a platform for single and/or multiple fiber drops. Two ports are connected to enable mid-span connectivity. The dome houses four cassettes with 48 fusion splices or 24 mechanical splices. It also provides useful organizer tray capacity for safe handling of slack fiber.

### Easy to use and close

The dimension of the box makes it easy to work with. Inside, you find the retention point for the strength member, while the earthing point is located to the grounding bolt. Our box is designed for any fiber splice application, whether attachment is needed or not. The cold seals make it easy to perform installation and to open or lock the box mechanically.

## Roxtec Splice Box - technical information



Roxtec Splice Box	A		B		C		D		Number of cables	For cable size	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)		(in)	(mm)
	5.512	140	19.685	500	5.906	150	8.661	220	6 pcs	0+0.315-0.709	0+8-18

### Data

IP rating:	IP X8: 0,61 bar 168 h (1 week) water pressure
Splicings:	Fusion splicing 48 (4 cassettes x 12), Mechanical splicing 24 (4 cassettes x 6)
Cable looping:	Possible for mid-span on one cable with bending radius of maximum 35 mm

### Tested and approved

The Roxtec Splice Box is tested and approved by BSNL in India according to the generic requirements of splice closure for optical fiber cables GR No. TEC/GR/TX/OJC-002/03/APR-2010, as specified by the Telecommunication Engineering Centre.

Test	Procedure
Visual	Physical examination of technology
Drop/topple	Drop from 2 m, let fall freely from 45 degrees
Gas-tightness	Subjection to 1,5 bar (24 hrs)
Water ingress	7 days subjection to 0,61 bar water immersion
Variation in attenuation	Assembled, wavelength 1550 nm
Cable clamping/axial tension	50 kg in 30 min (1,5 bar pressure)
Torsion	5 cycles of torque and a rotation of 90°
Flexure	Application of bending force on cable
Impact	Striking (5 kg) and dropping (500 mm)
Static load	Subjection to 250 kg
Thermal ageing	Ageing in 90°C ±1°C for 720 hrs
Environmental cycle	Capability in -20°C - +60°C
Salt spray	4 weeks in salt laden atmosphere (QM-333)
Vibration test	Subjection to vibration
Aggressive media/resistance	Subjection to aggressive solution
UV-test	Subjection to ultraviolet radiation 2000 h



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