



InAir ADSS MT FRP Defender

Multi-Tube (MT) FiberGlass Rods (FRP) Defender



If you mess with a squirrel, it might take your internet away! Or not, if you choose to use Incab cable!

Application:

This design combines enhanced optical reliability with the highest degree of rodent resistance available in an all-dielectric cable. It can also be used as an all-dielectric direct buried cable solution.

Key Features:



Anti-rodent additive in the outer jacket for first line protection.



Superior protection from mechanical damage — FRP rods for strength and second line protection.

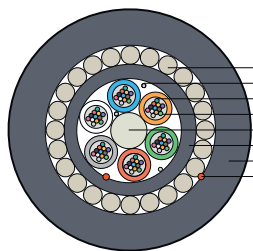
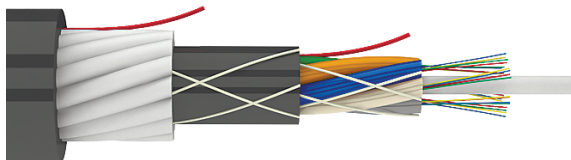


Completely protected from water ingress.



Designed for aerial applications of 138 kV or less where damage from squirrels/rodents is apparent.

Design:



FRP rods
Water-swellable yarns
Optical fiber
PBT loose tube filled with water-blocking gel
Central strength member (FRP)
Inner jacket
Outer jacket with repellent
Ripcord

Technical parameters:

Designs with the following technical parameters can be produced:

Maximum rated design tension	up to 4,496 lb
Span length	up to 2,000 ft**
Fiber count	up to 288 and more upon request

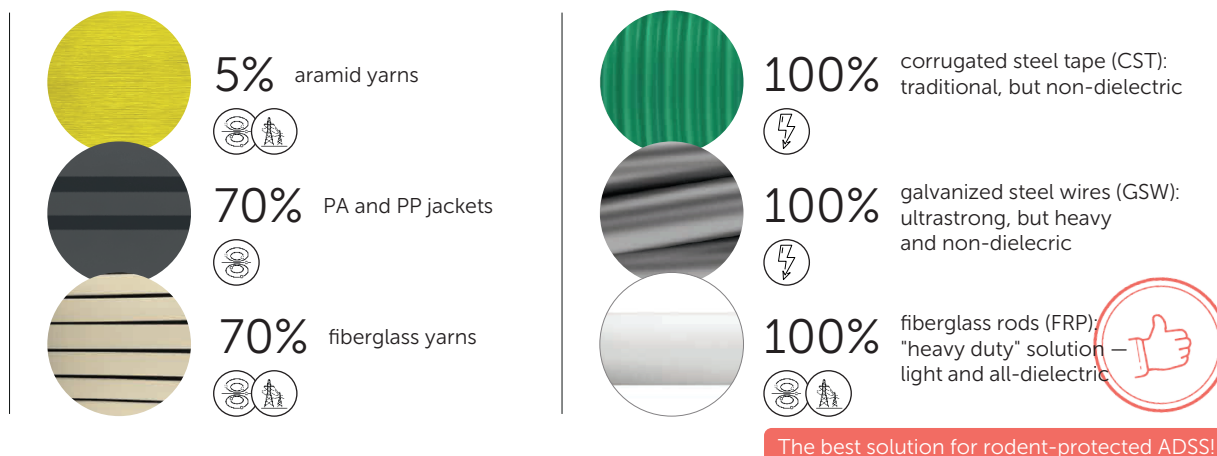
*Cables based on Customers' specific technical requirements can also be produced. Please, contact us for a cable designed to your exact specifications.

**depending on NESC conditions

InAir ADSS MT FRP Defender was created specifically to solve the rodent problem. This design has three lines of defense:

- ✓ A non-toxic anti-rodent additive in the outer jacket to discourage chewing (optional)
- ✓ FRP rods to stop chewing
- ✓ An inner jacket to ensure that the optical core is protected from water ingress

Let's see the effectiveness against rodents of different protective materials:



Design options with double armor and double jacket are also possible.



Suitable for ADSS



Non-dielectric



Dielectric

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