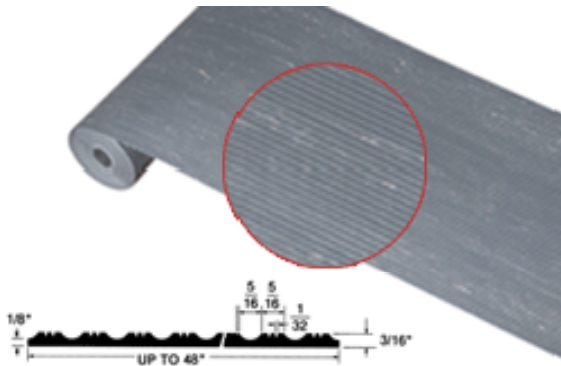


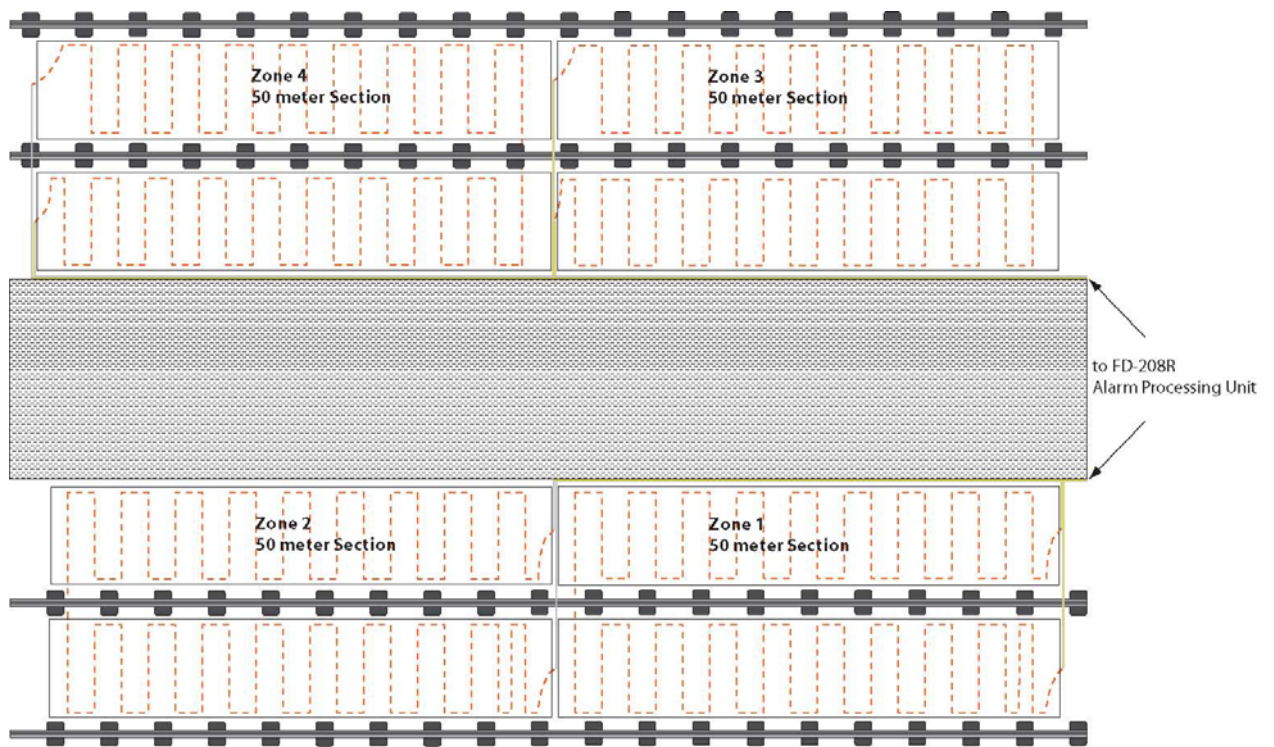
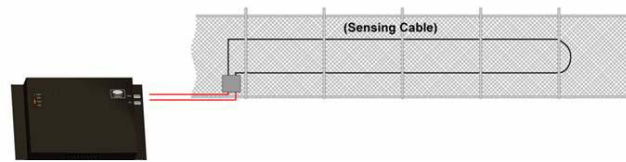
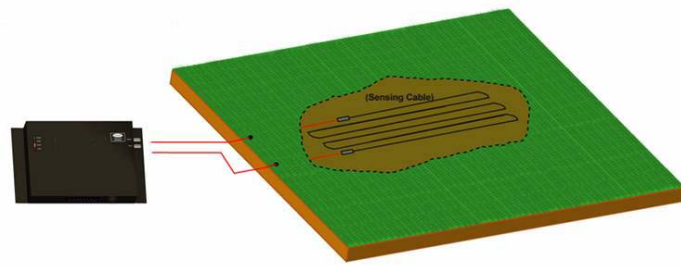
FIBRMAT[®] OPTICAL FIBER CABLE & SENSOR MAT

Our specially constructed optical fiber cable and sensor mat is made to be used indoor or outdoor and immune to electromagnetic interference, lightning, and radio frequency emissions. Our uniquely designed optical fiber detection cable is imbedded into a specially designed fiber sensor mat, making it sensitive to movement and vibration while the advanced processor unit measures changes in light algorithms. Whether a person jumps onto the track or an object (such as a backpack possibly filled with explosives) is thrown on the tracks, *FibrMat* allows immediate detection of the event so the proper transit personnel can be notified. Best of all, heavy and light rail trains do not set off the sensors, so there are virtually zero false alarms. *FibrMat*[®] comes in standard 50 meter (150') sections (custom lengths and widths are available) and can be easily installed between each indoor and outdoor track for maximum detection area. Each NSA-600R APU can support up to 6 zones.



- Resilience, dimensional stability and endurance are natural characteristics of *FibrMat*.
- Uniquely configured as one unit for ease of installation and interconnection to the APU.
- *FibrMat*[®] meets ASTM E 648, 162 and 662 standards.
- Moisture, weather and temperature resistance ensures reliable operation.
- Sensitive to movement and vibration without allowing trains to set off false alarms.
- 50' rolls allows for easy installation and coverage in most large or small stations.
- Designed to last in an indoor or outdoor transit environment.

Use alongside underground or outdoor station tracks and more ...



Legend
— IC-5D Insensitive Cable
- - - SC-5 Sensitive Cable

Pictured: sample TransitVUE® FiberMat® subway installation

Specifications

Part Number:	FibrMat®
Dimensions:	24" wide x 1/2" thick x 50' long
Construction:	Fiber imbedded rib double grooved design
Material:	Synthetic rubber and/or natural rubber
Test Standards:	Meets ASTM E 648, E 162, E 662 and more
Tensile Strength:	800 PSI
Elongation:	100%
Hardness:	90 ± 5 Shore A
Tear Strength:	120 pounds per inch
Compression Set:	8%
Flexibility:	No breaks or cracks, ASTM F137, 1" madrel
Coefficient of Friction:	0.6 minimum
Dimensional Stability:	0.1%
Flame Spread:	Does Not Ignite / Self Extinguishing
Critical Radiant Flux:	>/- 0.5 Watts/cm ²
Moisture Absorption:	0.1% by weight (72hrs @70°F)
Fungus Resistance:	Completely Resistant
Optical Fiber Construction:	Special Construction Tight Buffered Indoor and Outdoor
Fiber Type:	SM - Sensitive (special construction) SM - Insensitive (special construction)
Fiber Diameter:	9/125μ
Secondary Buffer Diameter:	900μ
Numerical Aperture:	0.20
Proof Test Level:	100 kpsi
Cable Weight:	9.0 kg/km

Cable Diameter:	2.9 mm
Impact Resistance:	200 impacts
Crush Resistance:	500 N/cm
Operating Temperature:	-20°C to +85°C
Cable Jacket:	Optical Fiber Nonconductive Plenum Rated (OFNP) for indoor use.
Warranty:	5-Years

Accessories



Intelligent APU and
"Vantage Alert" Software



Pro Series passive
infra-red sensors



Cable Junction Box



Leading cable - 8 fiber cores
Diameter = 10 mm
Armored Coating
Max: 8 Km/coil



Leading Junction Box



Leading cable - 2 fiber cores
Diameter = 6 mm
Armored Coating
Max: 2 Km/coil



Sensing Junction Box



Sensing cable - 1 fiber core
Diameter = 10mm
Max: 250 m/coil
Armored for Outdoor and Underground



Terminal Junction Box



1 ~ 6 Ports splitting module

Ordering Information



A Business Unit of JM Fiber Optics, Inc.
Chino, CA 91710

Local Phone: (909) 628-3445

Toll Free: (888) 343-4237

Fax: (909) 628-1990

www.transitvue.com

