

# Product Data Sheet

## Bulk Sureline - Signal Transmission Tube (Commercial)



### Description

Sureline signal transmission tubing manufactured from premium grade material to withstand harsh environments within the mining industries. Signal transmission tubing is available in three variants; 1.85mm single layer, 2.1mm dual layer for underground application and the standard 3mm dual layer for both surface and underground operations. All sizes are available in a choice of 5 colours to suit specific requirements.

### Application

Sureline is primarily used for the manufacture of non electric detonators and for extending circuits.

**Accessories:** STC3MM Reuseable connector (3mm only)

### Recommended products for reliable initiation

- \*Surefire
- \*Lead in Line
- \*Detonating cord with a minimum 3.5gm/m PETN charge
- \*Plain, electric, electronic or non electric detonators

### Safety & Storage

Explosives should be handled by trained, authorised persons only. Avoid damage to any part of the component and ensure care is taken to protected from extreme impacts, friction & heat sources. "DO NOT" stretch or attempt to remove shocktube from the detonator which may cause premature detonation.

For maximum shelf life it is recommended that Sureline is stored in a cool, dry, well ventilated licensed magazine when not in use, with open ends sealed to prevent the ingress of moisture. Stocks should be frequently rotated in order to use the older products before the new.

### Colour Range

Clear / White	Red
Neon Orange	Neon Green

*not actual colours*

### Sizes

Tube Diameter (mm)	Layers	Reel Lengths (Max)
3.0	Dual	3'000M
2.1	Dual	5'000M
1.85	Single	5'000M

*Technical data on the 2.1mm & 1.85mm available on request.*

### Packing Dimensions

Spool Diameter	400mm
Spool Height	346mm
Centre Hole Diameter	76mm
Outer Carton Dimension	41x41x36cm

*packing dimensions may vary due to availability & customer requirements*

### Technical

Characteristics	3.0mm Dual Layer
Outer Diameter	3.00mm $\pm$ 0.075mm
Inner Diameter	1.00mm $\pm$ 0.075mm
NEQ	12-20mg / M
Velocity	2000m/s $\pm$ 200m/s
Recommended Temp Range	-40°C to +40°C
Hydrostatic Resistance	0.2Mpa over 7 days
Impact Resistance	97% (5kg at 1.0M height)
Tensile Strength	140N @ 18°C
Ignition Resistance	100°C for 24hours
Abrasion Resistance	BS7765 Passed
Diesel Resistance	>120 hours @ 3.5 bar

### Product Classification

Shipping Name	Signal Transmission Tubing
UN #	N/A
Classification	Non Hazardous
Certificate	XI/5015/32/4
Notified Body	0519

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