



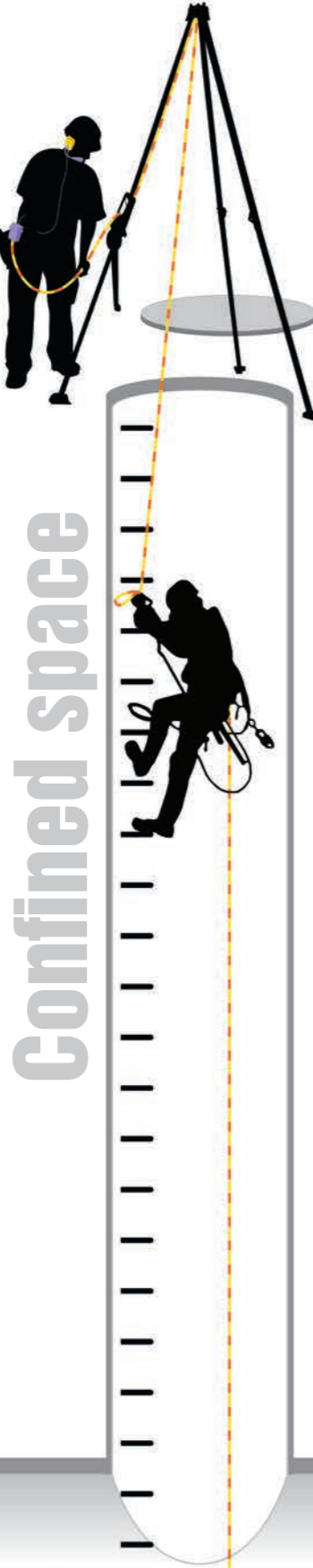
LEADER Com

WIRED COMMUNICATION SYSTEM
FOR EXTREME SITUATIONS

- Ensures superior sound quality
- Eliminates worker isolation
- Improves productivity
- Reinforces safety

LEADER Com The only operational system

of communication in all extreme situations



Full duplex, hands free and intrinsically safe, LEADER Com ensures a continuous, reliable and very clear communication between the safety attendant and members of teams engaged in confined space entry particularly when working in noisy environments and where other conventional communications won't work.

Fast and easy to implement, LEADER Com allows up to 10 team members connected on the system providing communication between one another and the safety attendant, up to a distance of 3 miles (4.8 km) per user connected.

For high angle working configurations, or for rope access, the communication rope can replace the primary rope or the life line.

IMPLEMENTATION PRINCIPLE

The attendant:

- 1 headset + 1 "Master" interface

Lines and Junctions:

- Communication cables or communication rope
- Junction boxes or T connector

The entrant:

- 1 headset + 1 "Slave" interface

MAIN CHARACTERISTICS

- Up to **140 hours** of communication for 3 users
- **Full Duplex**
- Up to **10 peoples simultaneously connected**
- Up to **3 miles (4.8 km)** of communicating line length per connected user
- **Hands free operation**
- **UL** and **MSHA** and **Atex** approved
- **Waterproof** connectors tested to 33ft (10m).
- Communication rope to replace the primary rope or life line rope.
- Usable with BA

USABLE FOR MANY ACTIVITIES AND APPLICATIONS:

• **Fire departments / Rescue** High angle, extrication, confined space rescue, underground rescue • **Tactical response** SWAT, placement, coordination, surveillance • **Public utilities and Maintenance** Tunnels, boilers, furnaces, wind turbines, sandblasting, welding, clean-up • **Chemical industries and Refineries** Tanks, pipes, storage vessels, towers, pylons offshore platforms

• **Telecommunications** Communication towers

• **Mining** Underground work

• **Water networks**

Sewers,

manholes, pits,

wells,

• **Textile industries**

Fibres

manufacturing,

flax processing, • **Food industries**

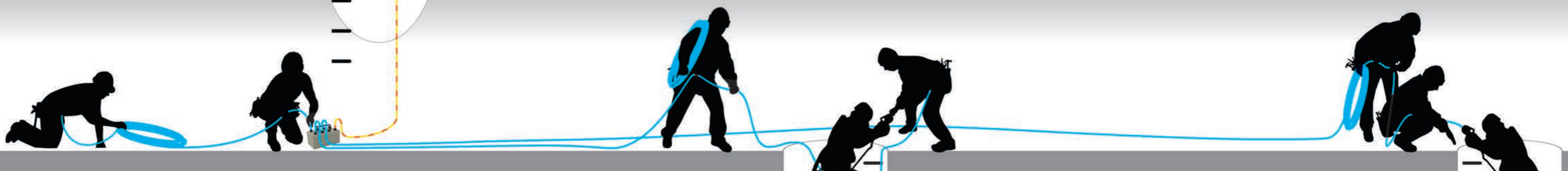
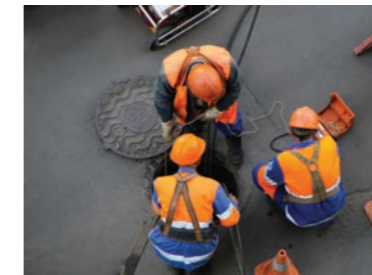
Silos, mills, holdings tanks • **Shipping**

Ship's holds and tanks, compartments

• **Railways** Railroad tank cars

• **Aircraft** Fuel cell entry tanks,

aircrafts sections, riveting, de-icing



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Confined space



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HEADSETS



- 1. Lightweight headset** with single sided, and noise cancelling boom mic.



- 2. Noise attenuating headset:**
 - Rear headband mount
 - Dual sided and noise cancelling boom mic.



- 3. Lightweight headsets with mesh head strap and noise cancelling throat microphone.** Can be used with SCBA:
 - Single sided version
 - Single sided watertight version
 - Dual sided watertight version

INTERFACES

"Master" and "Slave" models. Link headset and communication line.

- Each team member has an individual volume control on his interface (master and slave)
 - Works hands-free
- The sound is always active (Options: Push to Talk and Push to Mute)
 - Supplied with a protective cover
- Master interface feeds the system from 3 AA batteries. Allows up to 140h of communication to 3 team members, 82h to 5 and 58h to 7

JUNCTION BOXES

Central interface to connect all users onto the same system

- Up to 10 people simultaneously connected
- 4, 6 or 8 way splitter
- Water-resistant junction box (IP66) with waterproof connectors (IP68)
- Lightweight and shockproof

T-CONNECTOR

T-connectors allow simple connections to "in line" configurations



- Avoid the need for a junction box
- Allow users to connect / disconnect without affecting communications
 - Reduces the amount of cables. One single cable 'daisy-chained'
 - Waterproof to 10 m depth
 - Lightweight and efficient

COMMUNICATION LINES

Vital elements for an effective communication

- Ropes and cables are equipped only with male connectors to prevent incorrect connection
- Possible length: up to 3 miles (4.8 km) per person connected!

LIFE LINE / The communication rope:



- Static kernmantle polyester, NFPA approved communication rope incorporating the communication wire.
- Offer ALL the same working properties of a conventional climbing rope
- 6 colours available (other on request)
- Can be used as a primary rope or secondary lifeline during rope access and in high angle work and rescue (Descender, ascender, fall-arrest, rope grab and karabiners are usable, any knots can be tied, etc...)

HARD-LINE / Communication cable :

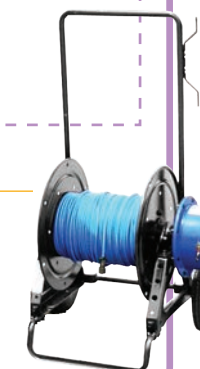


- **Blue HARD LINE**
Resistant cable with Kevlar strength members increase durability
- **Black HARD LINE**
Resistant cable and tested in explosive areas in mines (MSHA and ATEX M1 certified)

BAG



REELS

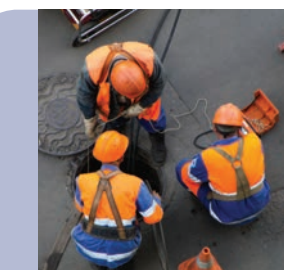


- With or without commutator
- | Model A : | Model B : |
|---------------------------------|---------------------------------|
| Rope capacity: 152 m (500 ft) | Rope capacity: 335 m (1100 ft) |
| Cable capacity: 457 m (1500 ft) | Cable capacity: 915 m (3000 ft) |

CERTIFICATIONS



RoHS

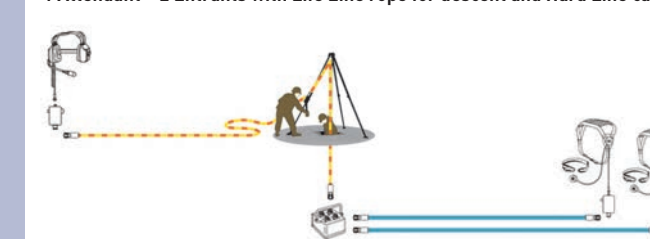


CONFIGURATIONS EXAMPLES

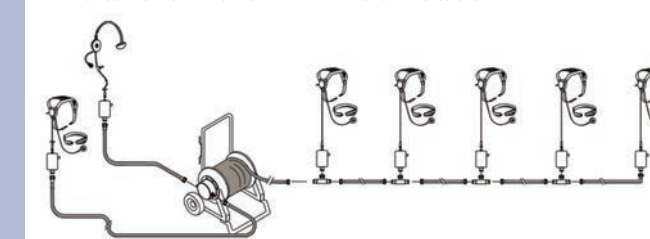
1 Attendant + 2 Entrants with Hard Line cable



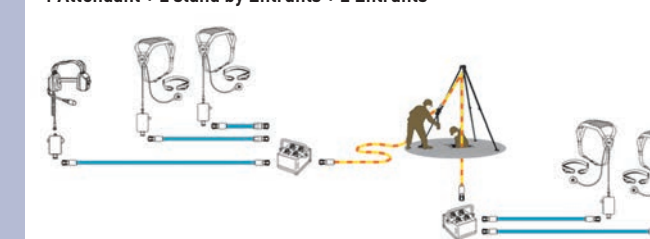
1 Attendant + 2 Entrants with Life Line rope for descent and Hard Line cable



2 Attendants + 5 Entrants with ATEX Hard Line cable



1 Attendant + 2 stand by Entrants + 2 Entrants



INTEROPERABILITY SYSTEM



Allows to inter-connect LEADER Com to other existing communication system: mobile phone, radio...



always in touch with our clients
to design the products you will need in the future

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