

EMS-LD-X4

Non-sensing leader cable, 4.6 m (15 ft)

Non-sensing length that carries the signal between the sensing rope and the panel

Non-sensing leader cable of 4.6 m (15 ft), weighing 0.14 kg at 29.7 g/m and fitted with the 4-pin twist-lock at both ends. This length cannot report a position, so the distance it covers is outside the located run; it is ordered 1 per controller. It exists so the sensing rope can stop where the leak risk stops while the signal still reaches the panel.

ORDERING INFORMATION

Part number	EMS-LD-X4
Function	Leader cable
Length	4.6 m (15 ft)
Weight	0.14 kg at 29.7 g/m
Required quantity	1 per controller
Connector	4-pin twist-lock at both ends, 24.38 mm diameter
Plenum rating	UL CL2P, meets NFPA 262
Compatible controllers	EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8, EMS-LD-C16

FUNCTION AND DIMENSIONS

Parameter	Value	Notes
Function	Leader cable	Non-sensing length; it cannot report a position
Length	4.6 m (15 ft)	Cut and terminated before shipment
Weight	0.14 kg at 29.7 g/m	Cable mass before packaging
Cable mass per metre	29.7 g/m (0.02 lb/ft)	Same jacket family as the sensing rope
Required quantity	1 per controller	Working spares held on site: one leader per controller, one jumper per crossing
Compatible rope	EMS-LD-R1 to EMS-LD-R500	Mates through the 4-pin twist-lock connector
Compatible controllers	EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8, EMS-LD-C16	Panel channel connection, or a leader run from the rope to the panel
Coverage cost	The length does not sense, so the route it covers cannot be located	The standard 4.6 m leader leaves the first 4.6 m of the route unlocated

CONSTRUCTION, RATING AND ENVIRONMENT

Parameter	Value	Notes
Sensing	None — this length cannot report a position	The leader and extension lengths do not detect; only the rope reports a distance
Construction	Non-sensing cable, 6.0 mm diameter, 4-pin twist-lock at both ends, no exposed metal	Same jacket and connector family as the sensing rope
Bend radius	12.70 mm minimum	Tighter bends stress the jacket
Operating temperature	0 to +75 °C	Cable surface temperature, installed

Parameter	Value	Notes
Storage temperature	–30 to +85 °C	Before installation
Plenum rating	UL CL2P, meets NFPA 262	Required for a run under a raised floor or in a ceiling air-handling space
Colour	Orange, high visibility	Distinguishes a non-sensing length from the yellow sensing rope
Ingress protection	Not specified in this product class	The rating carried by this cable is the UL CL2P plenum rating
Quantity rule	One leader per controller; one jumper per crossing; extensions as routed	A supervised loop takes one leader and one terminator per controller
Connection	4-pin twist-lock, 24.38 mm diameter, mating with the rope connector	Twist-lock male and female pre-installed at both ends

APPLICATIONS

- Carrying the signal from the sensing rope to the controller channel
- Reaching a panel position that the sensing run cannot reach

COMPATIBLE WITH

- EMS-LD-R1 to EMS-LD-R500 locating rope
- EMS-LD-T1 end-of-line terminator
- EMS-LD-T5 X-connector for branching
- Every controller in the EMS-LD-C family

INCLUDED IN THE BOX

- 4.6 m (15 ft) of non-sensing cable
- 4-pin twist-lock connectors pre-installed at both ends
- Packing list carrying the model code

SCOPE

- Sensing rope, leader cable and end-of-line terminator only
- No coolant distribution units and no cold plates

NON-SENSING CABLE LADDER

Parameter	Value	Notes
EMS-LD-X1	Jumper	1.0 m
EMS-LD-X3	Jumper, the crossover fix	3.0 m
EMS-LD-X4	Leader cable	4.6 m (15 ft)
EMS-LD-X15	Extension	15 m
EMS-LD-X30	Extension	30 m

COMPLETING A SUPERVISED LOOP

Parameter	Value	Notes
Leader cable	One per controller	EMS-LD-X4 (4.6 m) or EMS-LD-T2 (leader and terminator kit)
End-of-line terminator	One per supervised loop	EMS-LD-T1
Jumper at a crossing	One per crossing	EMS-LD-X3 (3 m)
Securing clip	One every 0.9–1.2 m (3–4 ft)	EMS-LD-T3
Caution tag	One every 3 m (10 ft)	EMS-LD-T4

NOTES

- A non-sensing length reports no position, so position resolution, locating accuracy and locating repeatability are not applicable rows on it; they are published on the EMS-LD-R rope models.
- One leader cable and one end-of-line terminator are required per controller; without the terminator a cut cable reads as a quiet loop.
- Where a run crosses itself, break it with the 3 m jumper: a distance-read channel averages two wet points into a single wrong distance.
- An IP rating is not specified for this product class; the rating carried by the cable is the UL CL2P plenum rating, meeting the NFPA 262 flame-travel and smoke test.
- Certification names are published on the badge cards; approval documents are shown on request.
- EMS-Trade Cooling inspects and packs each length with the model code on the label and on the packing list.

Full specification sheet and current pricing

EMS-Trade Cooling · ems-cool.com

Typical lead time confirmed on order acknowledgement.

EMS-LD-X4

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