

EMS-LD-T5

X-connector for cable branching

Branch point that keeps supervision through the branch

X-connector used to branch a sensing run, one required per branch. Supervision is maintained through the branch, so a branch that loses its cable is still reported; an unsupervised tee would leave the branch invisible to the panel. It exists where one route has to cover two arms of the same supervised section.

ORDERING INFORMATION

Part number	EMS-LD-T5
Function	X-connector, cable branching
Quantity rule	One per branch
Supervision	Maintained through the branch
Connection	4-pin twist-lock, 24.38 mm diameter
Ships as	Single unit
Compatible cable	EMS-LD-R1 to EMS-LD-R500 sensing rope; EMS-LD-X series non-sensing cable
Compatible controllers	EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8, EMS-LD-C16

SPECIFICATION

Parameter	Value	Notes
Function	Branches one sensing run into two arms	One connector per branch
Quantity rule	One per branch	The number of branches sets the quantity
Supervision through the branch	Maintained	A branch that loses its cable is still reported by the panel
Connection	4-pin twist-lock, 24.38 mm diameter	Mates with the rope, leader and extension connectors
Positions on the run	Fitted at a clip position, not left free	A connector left hanging is a strain point
Effect on the distance report	Each arm reports on the same channel; two wet points on one channel average into one distance	Plan the branch so the two arms are not both wet at once
Construction	Sealed body, no exposed metal	No exposed metal along the completed run
Spares	Hold one spare per site where branches were installed	The connector is a strain point at a rack move
Operating temperature	0 to +75 °C	Cable assemblies in this series; the terminators and brackets are rated at the same ambient
Storage temperature	−30 to +85 °C	Before installation
Plenum rating	UL CL2P, meets NFPA 262	Cable assemblies in this series; required under a raised floor or in a ceiling air-handling space
Ingress protection	Not specified in this product class	No IP rating is published for the sensing cable or the standard controllers in this class

APPLICATIONS

- Two arms of one supervised section
- One X-connector per branch, plus one terminator per arm
- Planning the distance report across a branch
- Two wet points on one channel average into a single wrong distance

COMPATIBLE WITH

- EMS-LD-R1 to EMS-LD-R500 locating rope
- EMS-LD-C1, EMS-LD-C2, EMS-LD-C4, EMS-LD-C8, EMS-LD-C16 controllers
- EMS-LD-X1, EMS-LD-X3, EMS-LD-X4, EMS-LD-X15, EMS-LD-X30 non-sensing cables
- The rest of the EMS-LD-T accessory ladder

INCLUDED IN THE BOX

- Single unit
- Packing list carrying the model code
- Installation note giving the quantity rule for this item

SCOPE

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

ACCESSORY LADDER

Parameter	Value	Notes
EMS-LD-T1	End-of-line terminator	One per supervised loop
EMS-LD-T2	Leader cable and terminator kit, 4.6 m	4.6 m leader, one kit per controller
EMS-LD-T3	Securing clip, pack of 50	Spacing 0.9 to 1.2 m
EMS-LD-T4	Caution tag, pack of 10	Spacing 3 m
EMS-LD-T5	X-connector for cable branching	One per branch, supervision maintained through the branch
EMS-LD-T6	Weighted cable connector	One per cable drop or floor transition
EMS-LD-T7	Wall enclosure with 24 VDC supply	100 to 240 VAC in, 50/60 Hz, 24 VDC out; 318 × 254 × 82.5 mm enclosure
EMS-LD-T8	19-inch rack mounting bracket	482 mm (19 in) rack

NOTES

- Accessories are specified by quantity and function; no failure-rate or lifetime figure is published for them.
- One leader cable and one end-of-line terminator are required per controller; without the terminator a cut cable reads as a quiet loop.
- Securing clips are spaced one every 0.9 to 1.2 m and caution tags one every 3 m, counted from the routed length rather than the floor distance.
- An IP rating is not specified for this product class; the ratings carried across the family are NEMA Type 1 (controller enclosure) and UL CL2P plenum (cable).
- Certification names are published on the badge cards; approval documents are shown on request.
- EMS-Trade Cooling stocks, inspects and packs this item; the model code travels on the packing list so a reorder matches the installed run.

Full specification sheet and current pricing EMS-Trade Cooling · ems-cool.com Typical lead time confirmed on order acknowledgement.	EMS-LD-T5 Rev. A 2026-09-19
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