

EMS-LD-T6

Weighted cable connector

Holds a cable drop or a floor transition against the run being dragged

Weighted connector for cable drops and floor transitions, holding the cable at the point where a vertical drop meets the floor route. It fixes the run at the transition instead of loading the 4-pin twist-lock, which is rated at 32 kg including connectors against 72 kg for the cable alone. It exists because the connector is the weak point of the assembly when a run is pulled during a rack move.

ORDERING INFORMATION

Part number	EMS-LD-T6
Function	Weighted cable connector
Use	Cable drops and floor transitions
Quantity rule	One per cable drop
Connection	4-pin twist-lock, 24.38 mm diameter
Ships as	Single unit
Related limit	Cable breaking strength 72 kg; 32 kg including connectors
Compatible cable	EMS-LD-R1 to EMS-LD-R500 sensing rope; EMS-LD-X series non-sensing cable

SPECIFICATION

Parameter	Value	Notes
Function	Holds a cable drop or a floor transition in place	Used where the run changes plane
Quantity rule	One per cable drop	The number of drops sets the quantity
Bend radius at the transition	12.70 mm minimum (bend diameter 25.4 mm)	A tight bend at a floor transition stresses the mesh and the jacket
Connector limit it protects	32 kg including connectors, against 72 kg for the cable alone	The connector is the weak point of the assembly
Connection	4-pin twist-lock, 24.38 mm diameter	Mates with the rope, leader and extension connectors
Fixing	Secured at the transition rather than left hanging on the connector	A connector carrying the drop load is the first part to fail
Construction	Sealed body, no exposed metal	No exposed metal along the completed run
Spares	Hold one spare per site with floor transitions	Replaced without cutting the run
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

- Rack move where a drop is pulled
- The weighted connector takes the load off the twist-lock
- Floor transition under a lifted tile
- Protects the bend radius at the point where the run changes plane

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-T6 Rev. A 2026-09-19
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