



Cable ladder system



Cable ladder systems LG 45, SLG 45, LG 60, LG 110



Cable ladder	
Types LG, SLG	
Side height:	45, 60, 110 mm
Surface:	FS, FT
Fittings:	According to side heights
Connecting parts	External connector according to side heights
Classification	According to DIN EN 61537

The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation benefits. A factor guaranteeing easy mounting is the option of integrated fastening of cables using OBO U clamps to the rungs, which are available in various different versions. OBO cable ladder systems are shipped folded up, thus saving space during transport and storage. OBO cable ladder systems can be supplied in lengths of 3 m and 6 m, in all standard widths from 200 to 600 mm and width rail heights of 45, 60 and 110 mm. On the following pages, you can select your preferred installation variant from the installation diagrams shown and then combine the corresponding articles in the order section.

System components



Cable ladders, connectors, fittings, edge protection, covers

Support and threaded rod suspension application



Example of installing cable ladders with supports of U profiles and threaded rod suspension.

Jump application



Implementation of vertical jumps with adjustable connectors, e.g. for ceiling joists.

Threaded rod suspension application



Suspension of a cable ladder with threaded rods and U supports as a cross-section.

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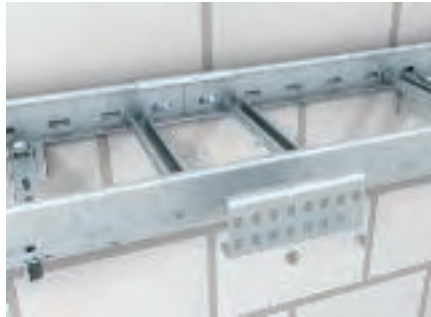
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Support suspension



Suspension of a cable ladder with supports and support brackets.

Straight connection of cable ladders



Straight connection of cable ladder with straight connector, type LVG.

Horizontal angle connection of cable ladders



Horizontal angle connection with straight and angle connectors, type LWVG.

Vertical angle connection of cable ladders



Creation of a vertical angle connection using adjustable connectors, type LGVG.

Installation of falling adjustable vertical bend



Adjustable vertical bend to bridge height offsets. The adjustable vertical bend is connected to the cable ladder using the adjustable connectors.

Installation of a cable ladder bend



Connection of the cable ladder with the bend, type LBI 90. Additional supports should be planned for the area of the fittings.

Installation of a tee



Installation of a tee, type LT, to create a vertical exit. Additional supports should be planned for the area of the fittings.

Installation of an cross-over



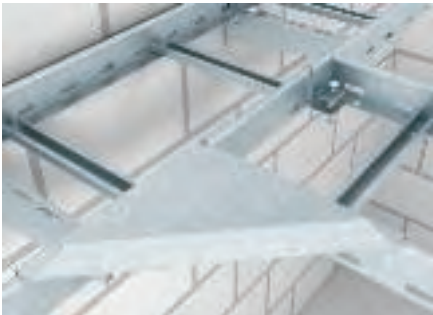
Installation of an cross-over, type LK, for the creation of two exits. Additional supports should be planned for the area of the fittings.

Installation of tee



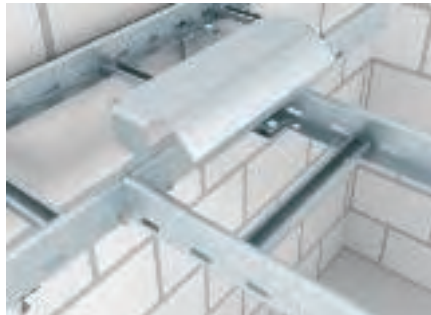
Creation of a horizontal tee exit of two cable ladders at different heights. The support angle, type LAW, is required to fix two cable ladders.

Tee with corner plates



Creation of horizontal tees for cable ladders running at the same height. To increase the cable supporting surface, use corner plates of type LEB. Additional supports should be planned for the area of the exits.

Tee with support plate



Creation of horizontal tees for cable ladders running at the same height. To increase the cable supporting surface and to protect the cables, use support plates, type LALB. Additional supports should be planned for the area of the exits.

Vertical exit on support/bracket



Installation of a vertical exit in the area of the support/bracket. Fasten the cable ladder using the support, type LAL 70.



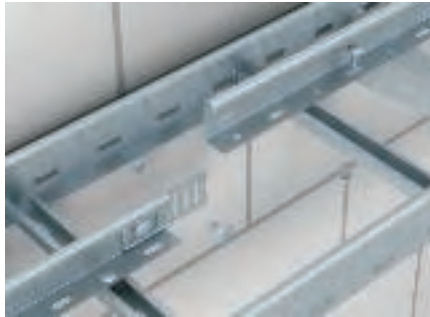
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Vertical cable exit



The drop-out plate, type LAB, is used to increase the cable supporting surface for vertically exiting cables and as cable protection.

Barrier strip fastening



Simple installation of the TSG barrier strip through the perforated rung of the cable ladders.

Straight barrier strip connection



Straight connection of barrier strips in the cable ladder.

Cable ladder centre suspension with U profile



Installation of a cable ladder with central hanger MAHU and a U support.

Cable ladder centre suspension with threaded rod



Installation of a cable ladder with central hanger MAHU and a threaded rod.

Installation of insert plate



Installation of insert plates, type ELB-L.

Cover mounting



Positioning and fastening of the cover on the cable ladder using turn-buckle, type DRL.

Cable ladder as-delivered state



All cable ladders are supplied folded up.

Complete installation



Illustration of complete cable ladder mounting.