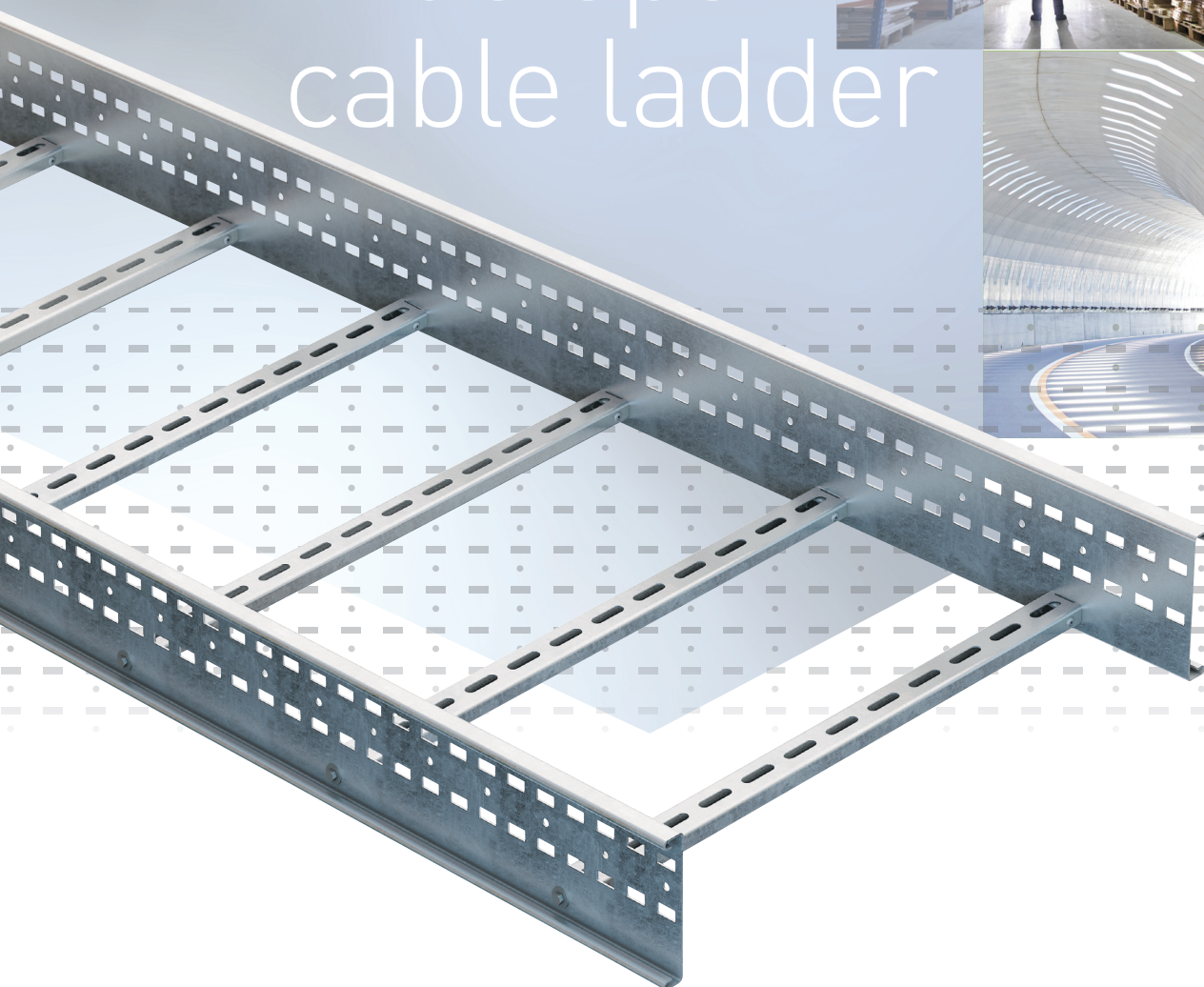
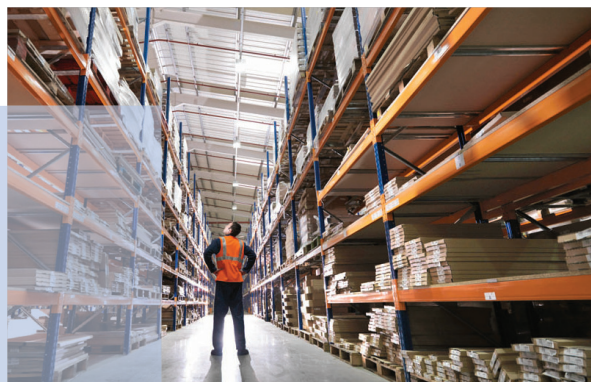


SWIFTS

LWSL

wide span
cable ladder



GLOBAL SPECIALIST IN ELECTRICAL AND
DIGITAL BUILDING INFRASTRUCTURES

 **legrand**[®]

Lighter and stronger

THE ANSWER TO HEAVY DUTY INSTALLATIONS FOR INDOOR USE

Swifts cable ladder has been tried and tested in installations of all sizes, around the world, from medium duty requirements in small, commercial buildings through to extra heavy duty installations in refineries, logistics centres and heavy industry applications. This new wide span offer in PG finish suits perfectly the needs for indoor applications as a complement to our existing solution in Hot Dip Galvanised steel.

THE NEW WIDE SPAN CABLE LADDER IS REMARKABLY LIGHTWEIGHT WHILE ENSURING AN IMPORTANT SAFE WORKING LOAD (SWL).

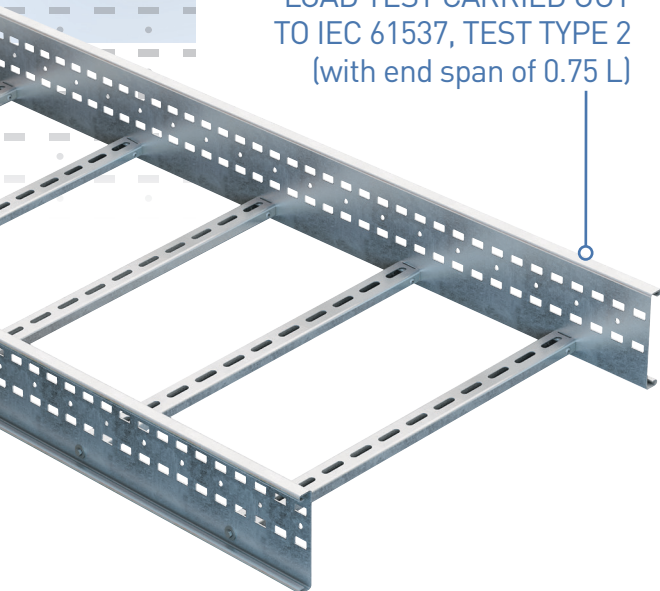
Examples :

125x300mm ladder -> weight = **29.5 kg/6m**

150x300mm ladder -> weight = **42.2 kg/6m**

Span (m)	SWL (kg/m)	Deflection (mm)
LWSL 125		
4	198	13
5	118	14
6	90	19
LWSL 150		
4	325	21
5	207	17
6	141	16

LOAD TEST CARRIED OUT TO IEC 61537, TEST TYPE 2 (with end span of 0.75 L)



SUSTAINABLE DEVELOPMENT

Time-saving innovations reduce man hours and energy usage on site, including fewer components for improved assembly times.

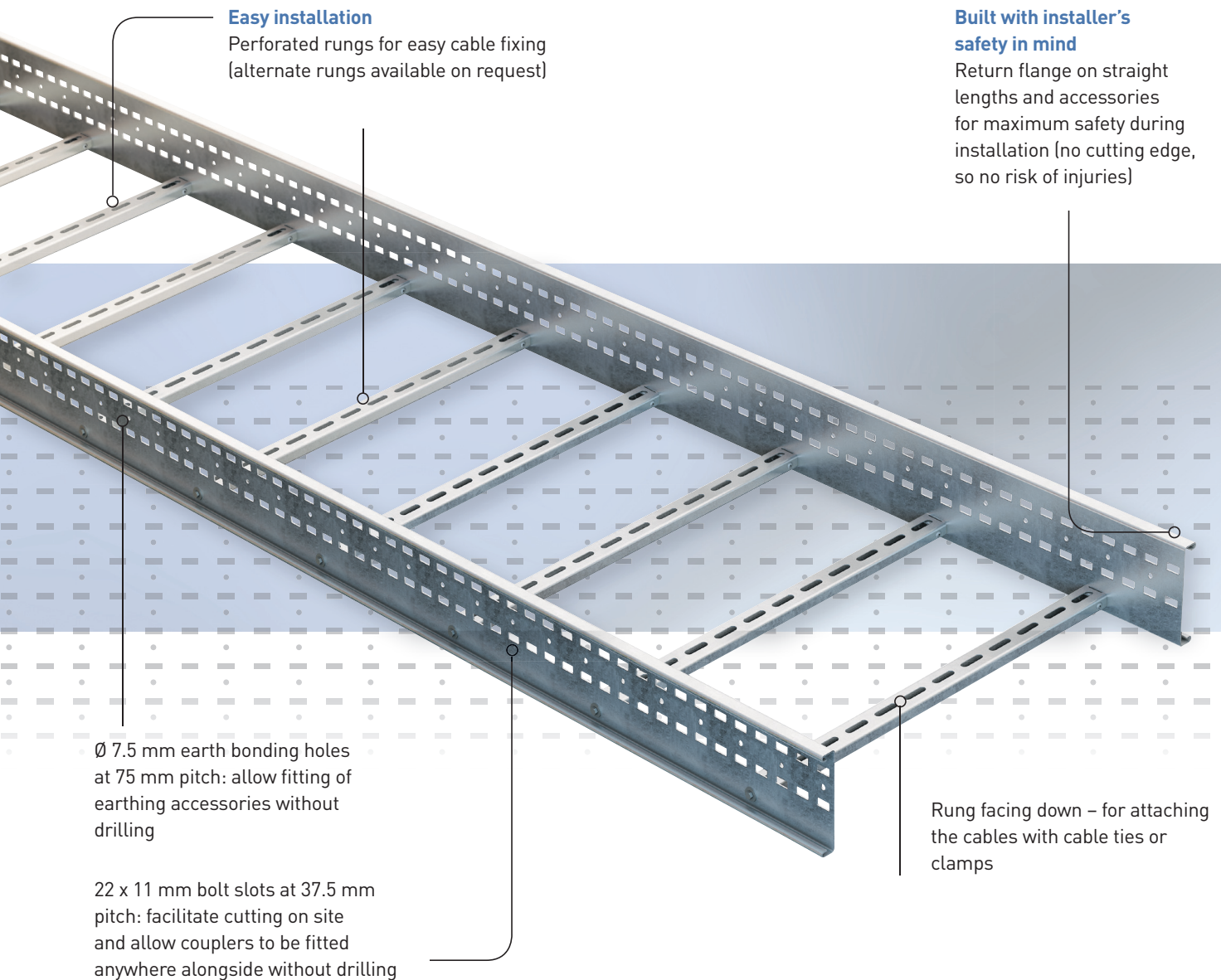
From design through to manufacturing, the Legrand Group selects materials and processes that respect people and the environment:

- Efficient and environmentally aware product design
- Product functions that help to avoid energy waste
- Management of manufacturing and logistics sites
- Integration of environmental concerns and ISO 14001 procedures at the Group's global sites

Faster by design

A WEALTH OF INNOVATIVE TIME-SAVING INSTALLATION FEATURES

The slotted rail system of cable ladder enables the coupling of lengths and fittings without the need for drilling, with fewer components and a wealth of innovative time-saving installation features. Even when ladders are cut to length, the slots in the coupler will always align with the slots in the ladder side rail and the quick-fit fasteners (supplied with the couplers) dramatically cuts installation time and cost.



Easy installation

Perforated rungs for easy cable fixing
(alternate rungs available on request)

Built with installer's safety in mind

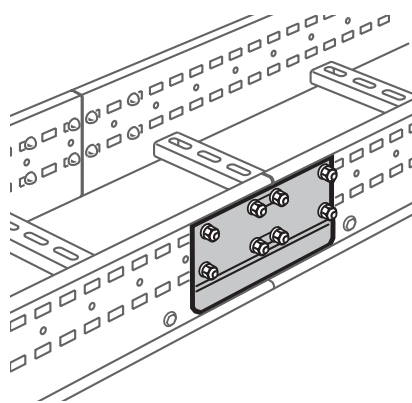
Return flange on straight
lengths and accessories
for maximum safety during
installation (no cutting edge,
so no risk of injuries)

Ø 7.5 mm earth bonding holes
at 75 mm pitch: allow fitting of
earthing accessories without
drilling

22 x 11 mm bolt slots at 37.5 mm
pitch: facilitate cutting on site
and allow couplers to be fitted
anywhere alongside without drilling

Rung facing down – for attaching
the cables with cable ties or
clamps

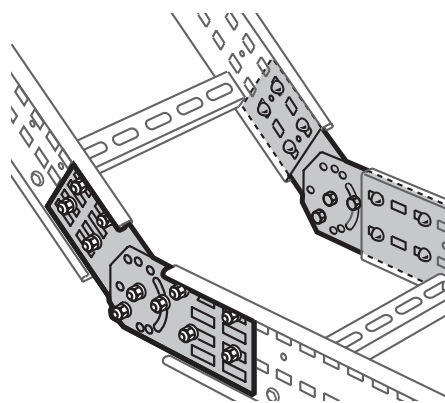
TIME SAVING ACCESSORIES FOR AN OPTIMISED INSTALLATION



Straight length to straight length couplers

They are used for joining together straight lengths or fittings. Even when ladders are cut, the slots in the coupler will always align with the slots in the ladder side rail. Supplied in pairs with the appropriate quantity of fasteners.

Intelligent accessories like the vertical hinged connectors or bendable connectors allow an unlimited number of combinations for time saving and perfect adaptation on the construction site configuration.



Vertical hinged connectors

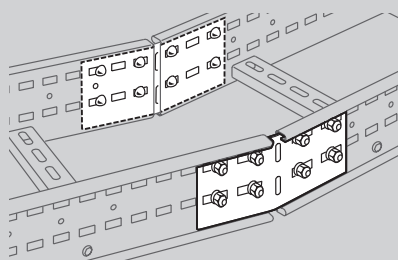
A fabricating fittings on site from cut lengths of cable ladder

B solving minor vertical mis-alignment problems

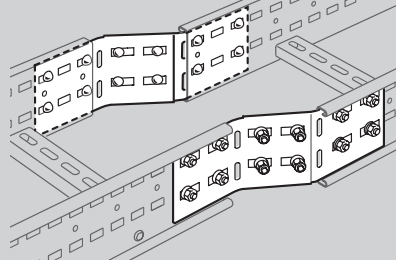
Supplied in sets comprising four plates and fasteners.

Vertical hinged connectors can either be connected together to form pre-set angles or pre-assembled for adjustment in situ.

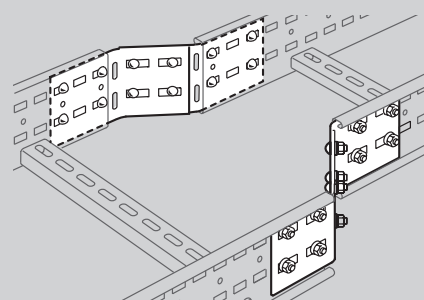
Bendable connectors (examples)



Bending the run



Re-aligning the run



Reducing width of run

A fabricating fittings on site from cut lengths of cable ladder

B reducing width of a run to the next size down when a properly manufactured reducer is not available

C correcting minor mis-alignment problems

D coupling lengths of ladder to form articulated bends

Bendable connectors are supplied in pairs with fasteners

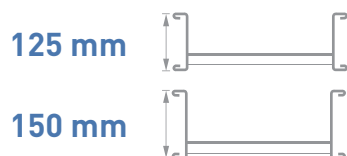
Note

Rigid support for the cable ladder should be provided on both sides adjacent to each joint.

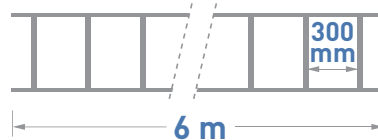
A well thought-out range

1 standard finish: PG (Pre-Galvanised steel)

2 standard heights



1 standard length



3 m length cable ladders available on request

Several widths



Standardised widths

	Height (mm)	Cable ladder width (mm)				
		200	300	400	500	600
Cable ladder (straight lengths 6 m)	125	3 503 02	3 503 03	3 503 04	3 503 05	3 503 06
	150	3 503 32	3 503 33	3 503 34	3 503 35	3 503 36
90° flat bend	125	3 503 12	3 503 13	3 503 14	3 503 15	3 503 16
	150	3 503 42	3 503 43	3 503 44	3 503 45	3 503 46
Branch piece ⁽³⁾	125	3 503 22	3 503 23	3 503 24	3 503 25	3 503 26
	150	3 503 52	3 503 53	3 503 54	3 503 55	3 503 56
Universal branch	125	3 503 60				
	150	3 503 61				
Straight couplers ⁽²⁾	125	3 503 00				
	150	3 503 01				
Vertical hinged connectors ^{(1) (2)}	125	PVGZ				
	150	EVGZ				
Bendable connectors ^{(1) (2)}	125	PHGZ				
	150	EHGZ				

(1) Hot Dip Galvanised steel. (2) Supplied in pairs, including fasteners

(3) A part of sidewall needs to be removed in order to insert branch piece (dimension = width + 728 mm)



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