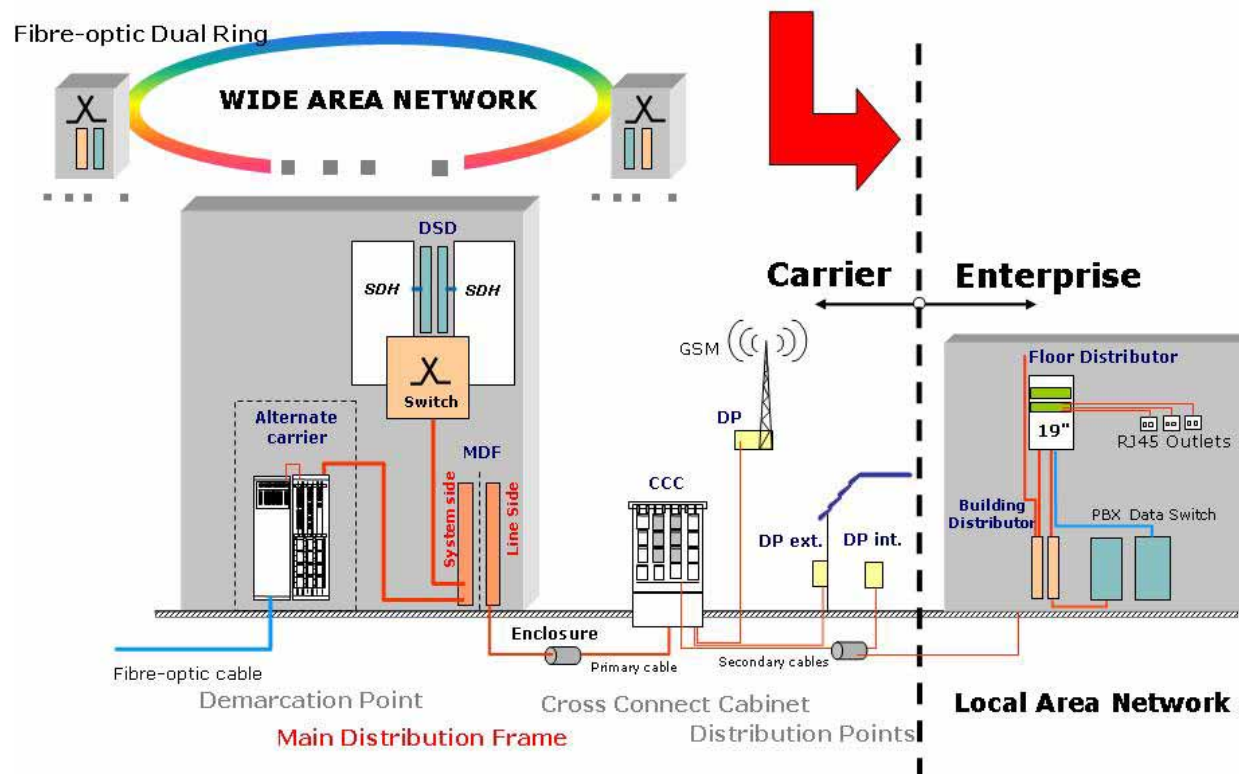ADC
KRONE

Main Distribution Frames

Main Distribution Frames

- A Main Distribution Frame (MDF) is the interface between

  The subscriber cables coming from the local network (line side)

  and the switching equipment in the exchange (system side)

Main Distribution Frames

Different criteria need to be taken into account when planning a new MDF

1. Room dimensions

2. Position/environment

3. Capacity

4. Jumper volume

5. MDF configuration

6. Module types

7. Delivery conditions

Main Distribution Frames

1. Enough space ?

   Room dimensions: Height, Width, Depth

2. Position/environment

   Room constitution (e.g. computer/raised floor)

   Air conditioning ?

   Layout of the switching equipment position
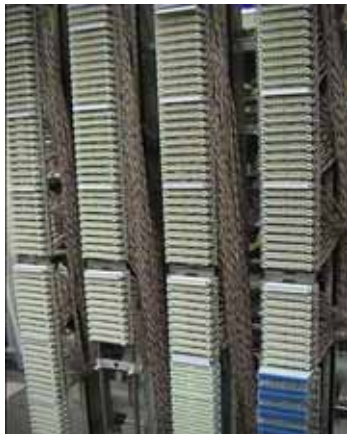
   Free selection or given ?

Main Distribution Frames

3. Needed capacity on both line side and system side

   Typically ratio of 1 : 1.2/1.5 (system/line side)

4. Sufficient total jumpering volume

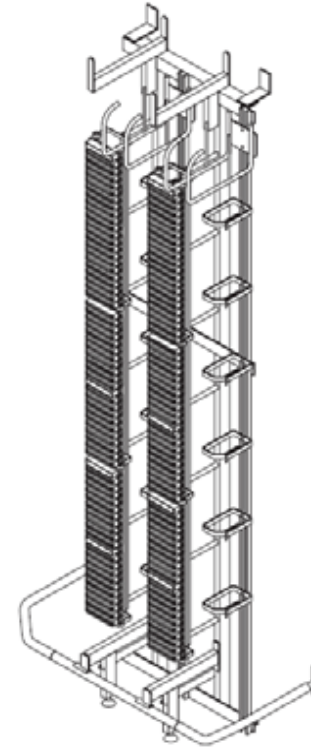   Typically jumper diameter 0.6 … 0.9 mm

Main Distribution Frames

5. MDF configured as

Wall-secured

(Line and system side vertical)
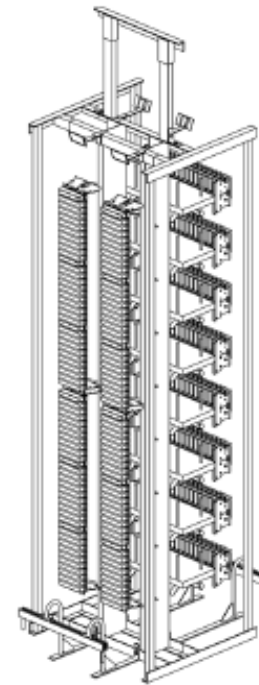
Free-standing single-sided

(Line and system side vertical)

Main Distribution Frames

Free-standing double-sided

(Line and system side vertical)

Free-standing double-sided

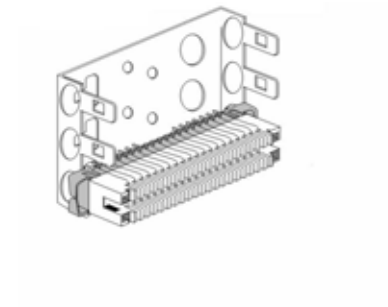(Line side vertical, system side horizontal)
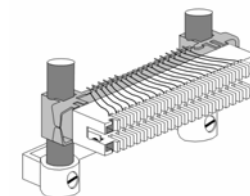
Main Distribution Frames

6. MDF prepared for

» System MDF 71

» LSA-PLUS$^{®}$ Series 2

» LSA PROFIL$^{®}$

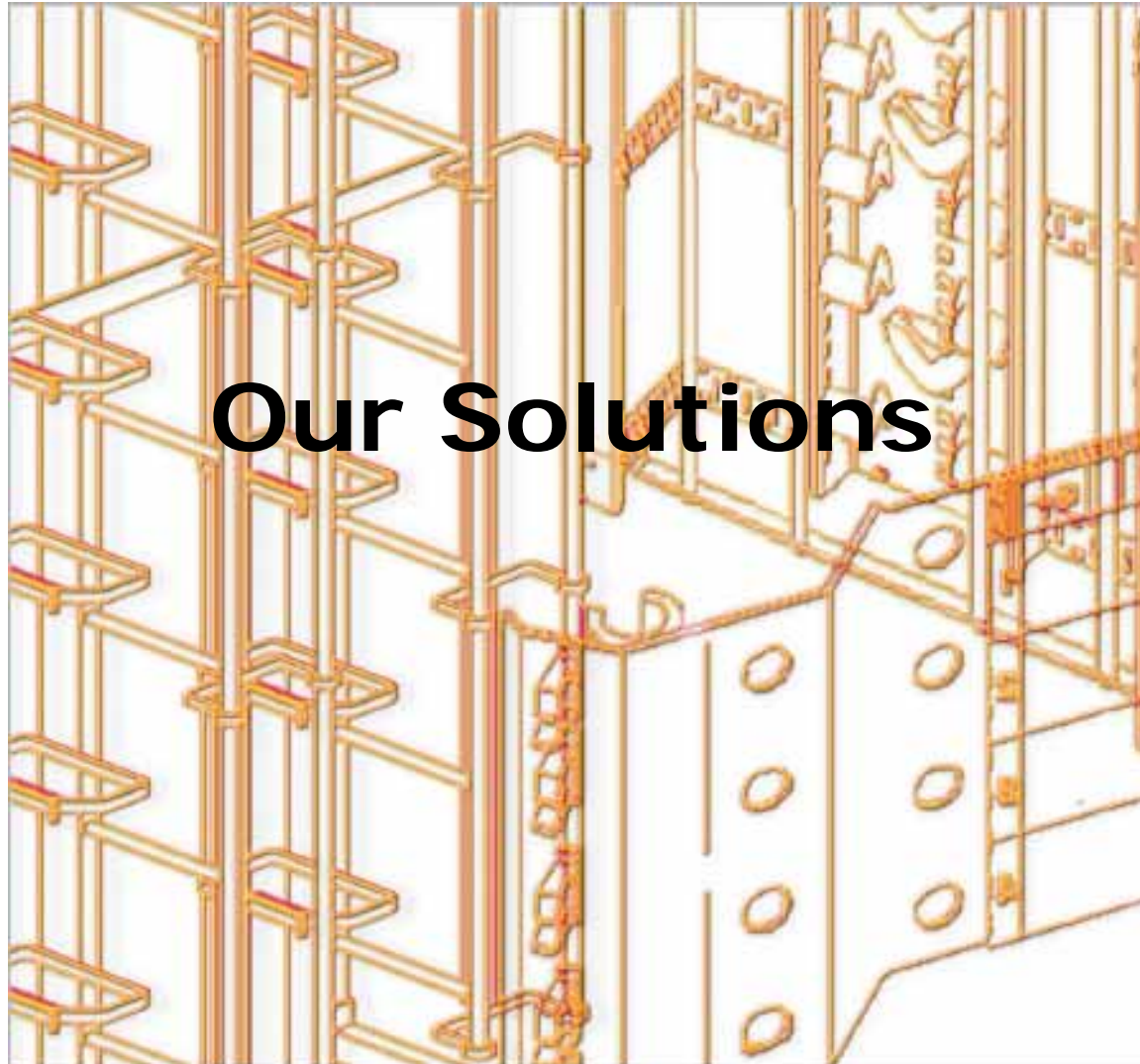# Main Distribution Frames

7. Delivery conditions

» Unassembled

» Pre-assembled
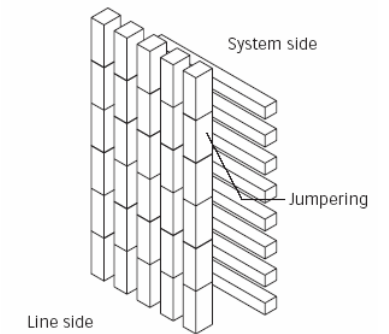
Main Distribution Frames
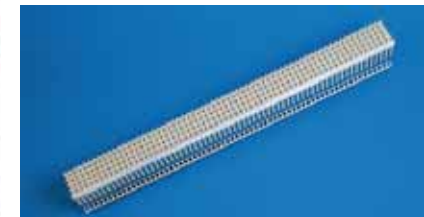

Our Solutions

Main Distribution Frames

- MDF 71

Vertical (line side)

Horizontal (system side)

Main Distribution Frames

- MDF 71

- Features:

  » Connectivity: System 71

  » Design: Vertical/horizontal

  » Horizontal jumpering capacity: 39.000 pairs

  » Room height: 2.730 – 4.300 mm

  » Configuration: Free-standing, double-sided

  » Delivery conditions: Unassembled

- Advantages: Distributor for large and medium capacity

  » Different sizes available

  » Modular design = completely adaptable to given space requirement

Main Distribution Frames

MDF 71 – additional solutions

DSL (Single-pair splitter)

xDSL (PCM blocks)

PROTECTION (Basic protection magazine)

- Accessories

Insertion tool:

Disconnection plug, 2-pole:

Magazine extractor:

Marking cap:

Contact insert extractor:

Dummy plug:

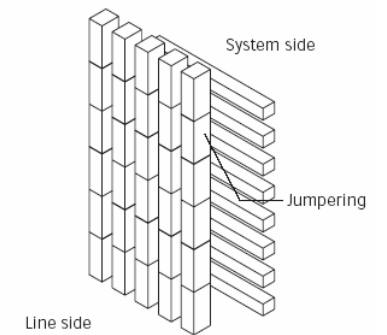Test- and patch cords

Main Distribution Frames

- MDF 80

Horizontal side
Exchange side

Vertical side
Line side

System side
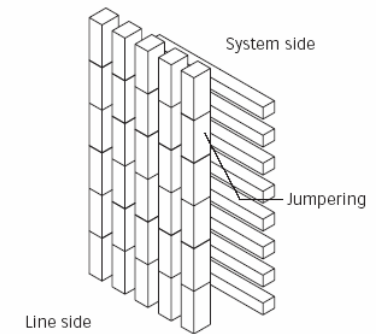
Jumpering

Line side

Main Distribution Frames

– MDF 80 (Back mount frame)

– Features:

  » Connectivity: LSA-PLUS® Series 2

  » Design: Vertical/horizontal

  » Horizontal jumpering capacity: 33.000 pairs

  » Room height: 2.200 – 4.400 mm

  » Configuration: Free-standing, double-sided

  » Delivery conditions: Unassembled

– Advantages: Distributor for large and medium capacity

  » Different sizes available

  » Modular design = completely adaptable to given space requierement

Main Distribution Frames

— MDF COM 80-2

Horizontal (system side)

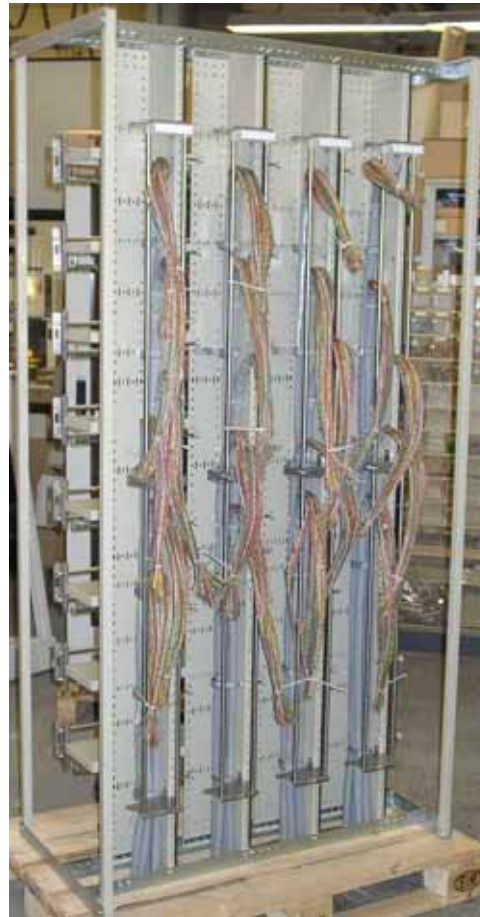Vertical (line side)

Main Distribution Frames

– MDF COM 80-2 (Profile rod mounting)

– Features:

  » Connectivity: LSA PROFIL® Series 2

  » Design: Vertical/horizontal

  » Horizontal jumpering capacity: 12.000 pairs

  » Room height: 2.400 – 3.220 mm

  » Configuration: Free-standing, double-sided

  » Delivery conditions: Unassembled

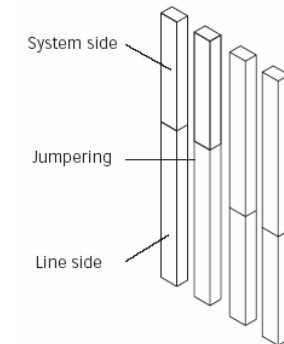– Advantages: Distributor for medium capacity
  Available in 2 different sizes

Main Distribution Frames

— **MDF 91m**

Vertical (system side)

Vertical (line side)

System side

Jumpering

Line side

Main Distribution Frames

– MDF 91m (Flexible mounting options)

– Features:

»	Connectivity:	LSA PROFIL® Series 2 or Series 71
»	Design:	Vertical
»	Horizontal jumpering capacity:	4.000 pairs
»	Room height:	2.100 – 3.800 mm
»	Configuration:	Wall-mounted or
		Free standing (single or double-sided)
»	Delivery conditions:	Pre-assembled

– Advantages:

Reduction of installation time by 75%
For all LSA modules

Available in 3 different sizes
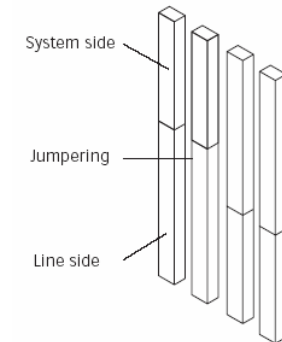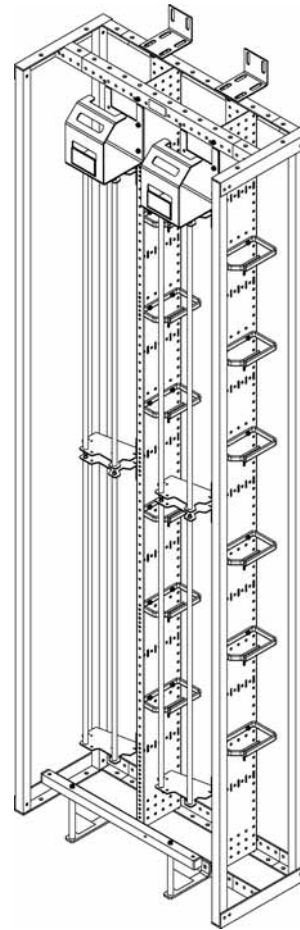
Main Distribution Frames

– MDF COM 91-2

Vertical (system side)

Vertical (line side)

System side

Jumpering

Line side

Main Distribution Frames

– MDF COM 91-2 (Profil rod mounting)

– Features:

» Connectivity: LSA PROFIL® Series 2

» Design: Vertical

» Horizontal jumpering capacity: 4.000 pairs

» Room height: 2.400 – 3.220 mm

» Configuration: Wall-mounted or

Free-standing (single or double-sided)

» Delivery conditions: Pre-assembled
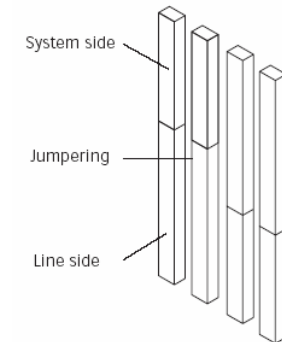
– Advantages: Reduction of installation time by 75%

Main Distribution Frames

– MDF 108 P

Vertical (system side)

Vertical (line side)

Main Distribution Frames

– MDF 108 P (Profil rod mounting)

– Features:

»	Connectivity:	LSA PROFIL® Series 2
»	Design:	Vertical
»	Horizontal jumpering capacity:	10.000 pairs
»	Room height:	2.000 – 3.200 mm
»	Configuration:	Wall-mounted or
		Free-standing (single or double-sided)
»	Delivery conditions:	Pre-assembled

– Advantages: Reduction of installation time by 75%

Main Distribution Frames
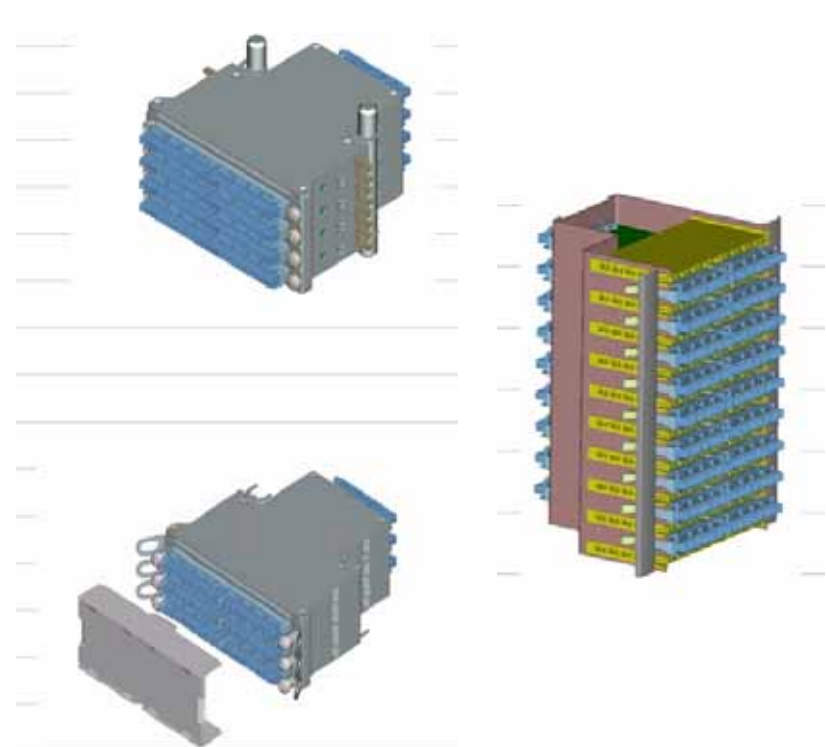
LSA-PLUS® – Additional solutions

DSL

(Single-pair splitter)   Splitter blocks

Main Distribution Frames

LSA-PLUS® – Additional solutions

PROTECTION

Basic protection magazines

Single protection plugs
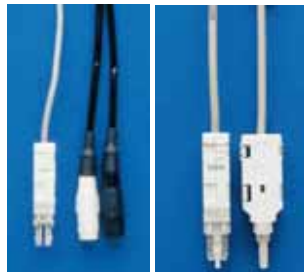
Main Distribution Frames

LSA-PLUS® - Accessories

**Label holder,
Marking caps,
Disconnection plugs,
Dummy plugs,
Cover strips**

Insertion tool:

Test- and patch cords

Main Distribution Frames

	MDF 71	MDF 80	COM 80-2	91 M	COM 91-2	108 P
Connectivity	71	LSA-PLUS	LSA PROFIL	LSA-PLUS 71 LSA PROFIL	LSA PROFIL	LSA PROFIL
Design	Vertical/horizontal			Vertical		
Horizontal jumpering capacity	39.000 pairs	33.000 pairs	12.000 pairs	4.000 pairs	3.200 pairs	10.000 pairs
Room height (mm)	2.730-4.300	2.200 - 4.400	2.400 - 3.220	2.100 - 3.800	2.400 - 3.220	2.000 - 3.220

Configuration:

Wall-mounted

Free-standing/single

Free-standing/double

Delivery conditions	unassembled	**Pre-**assembled

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Main Distribution Frames

Thank you for your attention!