Racks and Panels

Copper portfolio

CommScope offers variants of "copper" based distribution system solutions for all parts and applications of the subscriber access and transmission network. The range of the products discussed in this document enables the customer to set up modular distributors in every size required. The different system solutions are flexible, easy to install and offer a clear arrangement of the connectivity components, as well as ease of copper cable jumpering.

The frames present the interface between copper cables arriving from the local network subscriber side and different types of active equipment. The portfolio enables customers to select all configuration sizes variants from small rack type up to medium and large-scale distribution MDF. They will cover to solve the most varied requirements and to fit into the most varied spaces. Their connection components are based on the proven KRONE style products LSA-PLUS® series 2 or LSA-PLUS® HD180 using the LSA-PLUS® quick connection technology inside.

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Distribution frame 800

Up to 1400 pairs per rack unit

The Distribution Frame 800 with profile rod columns allows the termination of up to 800 pairs (LSA-PLUS Series 2) and 1400 pairs (LSA-PLUS HD180). Accessories like Jumper Rings are permanently fixed to the distribution frame and allow the jumper wires to be run between columns horizontally and also vertically. There are two different base sizes to cater for sites that have limited space.

Earthing is carried out by either an earth bar across the base of the frame or individual earth wires.

Features & benefits

- Flexible in use, i.e. free-standing version, back-to-back mounting or wall mounting

- Easily extendable

- High density

- Room for easy termination, wiring and jumper management

- Accommodates LSA-PLUS S2 and HD180 for PROFILE rod installations only

- Easy to assembly

Design and configurations

Product description	LSA-PLUS® HD180 PROFIL	LSA-PLUS® Series 2 PROFIL	Frame height (mm)
Distribution frame 800	1400 pairs	800 pairs	2200

General attributes & mechanical characteristics

- Product specifications:
  - Dimensions: H2200 x D309 x W251 (mm)
  - Material (frame): Galvanized steel with epoxy
  - Material (round bars): Stainless steel (diameter 12 mm)
  - Color: gray
  - Contact resistance: <10mΩ (between racks, in frame)
  - Usable profile bar length:
   - Upper section: 853 mm
    - Lower section: 1022mm

Product offering - Distribution frame 800

Order Number	Description
DFO-70811001-00	Distribution frame 800

Distribution 108A & City 80 frames
Up to 1600 pairs

The distribution 108A & City 80 frames are vertical, modular distribution frames offering up to 1600 pairs capacity. The modular construction allows units to be assembled side-by-side for wall mounting, or back-to-back for free-standing applications.

Earthing is provided via a heavy copper earth communing bar fitted to the bottom of the frame and running the full width of the frame. Adjustable legs allow for uneven flooring or may be removed where height is a limitation.
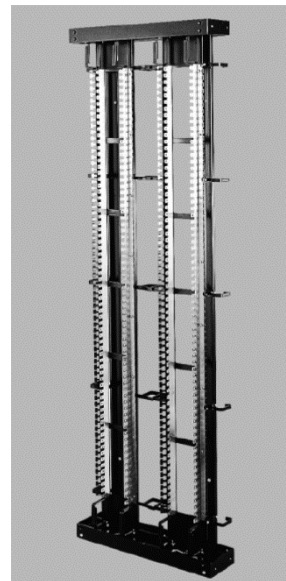
Features & benefits

- Cable management
- Two distribution racks can be fixed together with bolts (not included in delivery) to form banks
- Flexible in use, i.e. free-standing version, back-to-back mounting or wall mounting
- A sufficient number of cable guides are pre-installed

Design and configurations

Product description	LSA-PLUS® Series 2 capacity	Dimensions (mm) Height x depth x width
Single vert frame 108A	690 pairs	H2004 x D150 x W285
Distribution frame 108A	1380 pairs	H2004 x D150 x W560
City 80 frame	1600 pairs	H2250 x D150 x W570

General attributes & mechanical characteristics

- Installation:
  - The distribution rack is delivered completely assembled without wall- and side fixing material.
- Product specifications:
  - Material: Sheet steel
  - Color: Black (RAL 9011)

Figure 1: Distribution frame 108A – one vertical (64201050-00)

Figure 2: Distribution frame 108A – two verticals (64201013-00)

Figure 3: City 80 frame – two extended verticals (64201013-12)

Product offering - Distribution 108A & City 80 frames

Order Number	Description
64201050-00	Distribution frame 108A – one vertical
64201013-00	Distribution frame 108A – two verticals
64201013-12	City 80 frame

Product offering - Distribution 108A & City 80 frames

Order Number	Description
64203057-00	Additional legs, 1 pair (Only for Distribution frame 108A – two verticals)
64203061-00	Front & rear panels (Only for Distribution frame 108A – two verticals)
64203062-00	Side panels (Only for Distribution frame 108A – two verticals)
64203063-00	Double side panel (Only for Distribution frame 108A – two verticals)
64201043-00	City 80 frame lockable side panel
64201044-00	City 80 frame lockable front panel

LSA-PLUS® Subracks
For 19-inch rack

This section provides an overview of the different 19-inch racks suitable for LSA PROFIL system. The racks can be used for setting up small, compact distribution units.

Figure 4: 19" Subrack for 4HU/7SU LSA-PLUS® Series 2 or HD180 PROFIL, with Jumper rings [MID: 66901371-00]

Features & benefits

- Designed for installation in 19-inch racks
- Suitable for PROFIL modules and Back
- Included cable supported
- Included perforated rail
- Flexibility

Configuration capabilities

- Installation: The racks are delivered unmounted.
- Product specifications:
  - Material (subrack): Sheet steel
  - Material (Profil rods): Stainless steel

Design and configurations

Product description	Size	LSA-PLUS® Series 2 Back mount frame	LSA-PLUS® Series 2 PROFIL modules	LSA-PLUS® HD180 PROFIL modules
19" Subrack for LSA-PLUS® Series 2 BACK MOUNT FRAME	1HU	3	-	-
	2HU	9	-	-
	3HU	15	-	-
19" Subrack for LSA-PLUS® Series 2 or HD180 PROFIL ROD	3HU	-	18	23
	4HU	-	18	23
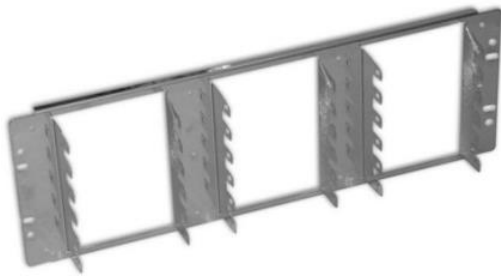
Figure 5: 19" Subrack for 3HU LSA-PLUS® Series 2 Back Mount Frame, Flush mount [MID: 64501008-00]
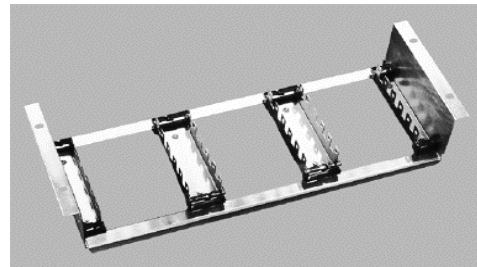

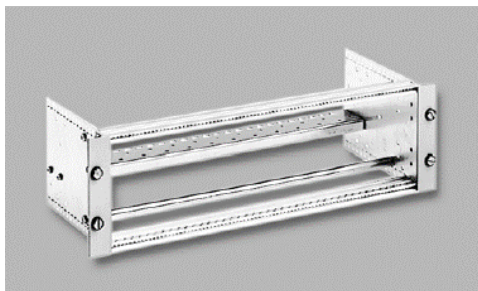Figure 6: 19" Subrack for 3U LSA-PLUS® Series 2 Back Mount Frame, recessed [MID: 64502006-00]

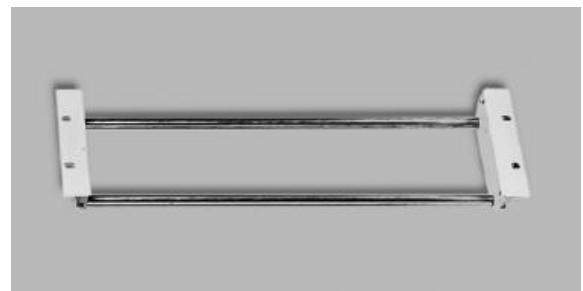Figure 7: 19" Subrack for 3U LSA-PLUS® Series 2 or HD180 PROFIL [MID: 66901300-00]

Figure 8: 19" Subrack for 3U LSA-PLUS® Series 2 or HD180 PROFIL – C1 module rack [MID: 66901125-00]

Product offering - 19-inch LSA-PLUS® Subracks

Order Number	Description
BACK MOUT FRAME TYPE	
64501202-00	19" Subrack for 1 HU BMF – 3 modules, flush mount
64501008-00	19" Subrack for 3 HU BMF – 15 modules, flush mount
64502009-00	19" Subrack for 2 HU BMF – 9 modules, recessed
64502006-00	19" Subrack for 3 HU BMF – 15 modules, recessed
PROFIL ROD TYPE	
66901300-00	19" Subrack for 3 HU PROFIL – DATA rack
66901125-00	19" Subrack for 3 HU PROFIL – C1 module rack (only rods)
66901371-00	19" Subrack for 4 HU/7 SU PROFIL – with jumper elements, bracket for cable fixation

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