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Electronics

## MicroBlo FIST-GR2

Issue 1 / April 2002

TELECOM OUTSIDE PLANT

### FIST Generic Rack



FIST is Tyco's Fiber Infrastructure System Technology, originally developed to accommodate standard fiber optic cables, and now extended with a new range of similar products to handle modular cables.

The Generic Rack for modular cables, FIST-GR2, is an all-purpose metal rack designed to accommodate the FIST fiber management system in an exchange, head end or customer premises environments.

FIST-GR2 is typically used to house connector panels and separate shelves for splicing, patching, equipment and devices.

The unit has the following features:

- Dimensions in accordance with ETSI
  - Many rack configurations are possible by using different combinations of the base frame and side duct(s)
- ETSI mounting profiles with cage nuts for shelf mounting are provided at the rear of the rack, allowing optimal access from the front
  - Horizontal and vertical patchcord management (HPM and VPM) for storage of functional patchcord overlength
  - Horizontal and vertical patchcord storage (HPS and VPS) for excess patchcord overlength between the shelves and either the equipment or adjacent racks
  - Bend control on all fiber routing
  - A structured division and distribution of the cable elements
    - Easy access to cables, pigtails and jumpers during installation, maintenance and upgrade
    - Easy adaptation to specific applications by variation of the rack configuration, the shelf configuration and routings of pigtails and jumpers
  - A wide variety of options:
    - Cable attachment plates can be mounted left or right, top or bottom in the side duct
    - Mounting bracket adapters for 19" shelf mounting
    - Equipment mounting bracket adapters
  - Various mounting options:
    - Wall mounting: stand alone or multiple side-to-side mounting
    - Back-to-back mounting

The information contained in this document is valid and correct at the time of issue. However, we reserve the right to modify details without notice in the light of subsequent standard/specification changes and ongoing technological developments.

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### Dimensions and capacity

Description	Dimensions			Capacity	
	H mm	W mm	D mm	Height units (ETSI)**	# FIST shelves***
FIST-GR2-1	1800	*	300	64-8=56	10
FIST-GR2-2	2200	*	300	80-8=72	13
FIST-GR2-3	2600	*	300	96-8=88	16

### Rack units are coated (painted) to RAL-7035.

\* The width depends on the configuration see ordering information.

\*\* The base duct included in the rack occupies 8 ETSI height units.

\*\*\* Standard FIST shelves, FIST-POM and FIST-CEMT with cover occupy 5 ETSI height units.

FIST-HPM and FIST-HPS occupy 7 ETSI height units.

### Cable termination (number of cables [number of tubes] per 300 mm side duct entry)

Single duct	5mmLSF	468t	10mmLSF	134t
Multi-duct	1W 5 mm	132 (132t)	1W 10 mm	33 (33t)
Multi-duct	2W 5 mm	66 (132t)	2W 10 mm	42 (84t)
Multi-duct	4W 5 mm	33 (132t)	4W 10 mm	21 (84t)
Multi-duct	7W 5 mm	27 (189t)	7W 10 mm	12 (84t)
Multi-duct	12W 5 mm	21 (252t)		
Multi-duct	19W 5 mm	12 (228t)		

Micro-cable 6 mm with sub-rack side termination plate, 4 cables per subrack side.

### Dimensions and capacity

## FIST-GR2-MC - X X - X X

#### Height

- 1 1.8 m
- 2 2.2 m
- 3 2.6 m

#### Width

##### For splicing cable to micro-cable

- 8 900 mm (600 + 300)
- B 900mm (300 + 600)

##### For splicing micro-cable to pigtails

- 0 1050 mm (150 + 600 + 300)
- 2 1200mm (300 + 600 + 300)

#### Doors and panels

- N No panels, no doors
- P With panels and side duct door, no central door
- D With panels and metal door(s) for base frame and side duct(s)
- L With panels and metal door(s) + lock (standard key number 00)
- 1 Side mounting equivalent of P (without side panels)\*
- 2 Side mounting equivalent of D (without side panels)\*
- 1 Side mounting equivalent of L (without side panels)\*

#### Type

- S Stand alone rack or wall mounting rack
  - B Back-to-back rack (without back panel)\*
- \* Including rack connection kit for back-to-back mounting

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Note: when terminating micro-ducts in the rack, use a 300 mm side-duct on the left-hand side to terminate the ducts.