

**DIGISOL™****CAT6**

# STRUCTURED CABLING SYSTEMS

## DIGISOL Patch Panel, 24 Port, Cat6, FTP, 90°



### Introduction:-

DIGISOL Category 6 FTP Patch Panel is a elegant design patch panel. The panel has single piece structure design combined with both 24 port panel module and cable management. The panel has 90 Degree (Top Entry) punch down design for convenient network terminations and cover to close crimped IDC. This patch panels with integral cable management shelf ensures proper bend radius compliance. Exceeds ANSI/TIA-568-C.2 Standard and supports 1000-Base-T.

### Key Features:-

- 90 Degree (Top Entry) punch down design for convenient network terminations
- Ease of cable routing is assured with built in rear cable management
- 8x3 module krone type designed jack configuration
- Easily removable module design
- Top cover for securing the terminated idc wiring blocks
- 1U standard 19 inch rack mounted
- Easy port labeling identification
- Compatible with T568A or T568B wiring schemes
- Accommodates 23~26 AWG Solid Copper Wires



### Technical Specifications:-

#### Electrical:-

|                       |                          |
|-----------------------|--------------------------|
| Current Rating        | : 1.5 Amps               |
| Insulation Resistance | : $\geq 500M\Omega$      |
| Contact Resistance    | : $\leq 10m\Omega$       |
| DC Resistance         | : $\leq 0.1\Omega$       |
| DC/AC Volt Endurance  | : DC 1000V/AC 750V 1 Min |

#### Mechanical:-

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Plug Insertion Life       | : $\geq 750$ Cycles with FCC Compliant RJ-45 Plug |
| Plug & Jack Contact Force | : $\geq 100$ Grams with FCC Compliant RJ-45 Plug  |
| Plug Retention Force      | : $\geq 11$ lbf                                   |
| Durability                | : 200 Termination Cycles                          |
| Operating Temperature     | : $-10^{\circ}C$ to $+60^{\circ}C$                |
| Operating Humidity        | : 10% to 90% RH                                   |
| Storage Temperature       | : $-40^{\circ}C$ to $+68^{\circ}C$                |

#### Physical:-

|                           |                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------|
| Panel Frame               | : SPCC graded Cold Rolled Steel Powder Coated In Black Color                                                     |
| Panel Frame Cover         | : SPCC graded Cold Rolled Steel Nickel Plated                                                                    |
| Earthing/Grounding Wire   | : 16 AWG stranded electric wire                                                                                  |
| Housing                   | : High Impact Flame Retardant Plastic, Polycarbonate (UL 94V-0 Rated)                                            |
| PCB                       | : FR4, 1.6mm Thickness                                                                                           |
| Jack Wire Terminals       | : 0.35mm Phosphor Bronze (Base Material),<br>30 $\mu$ " gold plating over 40 $\mu$ " ~ 80 $\mu$ " nickel plating |
| Jack Configuration        | : 8x3 Module Special Design                                                                                      |
| IDC Conductor             | : 0.5 mm Phosphor Bronze (Base Material), 100 $\mu$ " Tin Plating                                                |
| Panel Size                | : 483mm x 82mm x 44.3mm (L x W x H)                                                                              |
| IDC Contact Compatibility | : 23~26 AWG Solid copper wires                                                                                   |
| Labelling                 | : Printed ports numbered for identification                                                                      |

### Standard Verification:-

- ANSI/TIA-568-C.2
- ISO/IEC 11801:2002/AMMD.2:2010
- ISO/IEC 60603-7 Compliant
- RoHS Directive 2002/95/EC/Compliant

### Ordering Information:-

| Part Codes    | Description                                   |
|---------------|-----------------------------------------------|
| DGC-PP6F2L-1B | DIGISOL PATCH PANEL,24 PORT,CAT6,FTP,90DEGREE |

