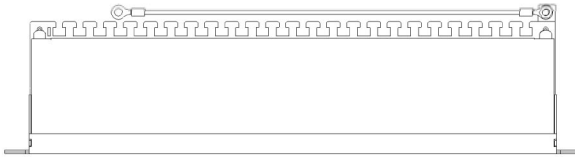
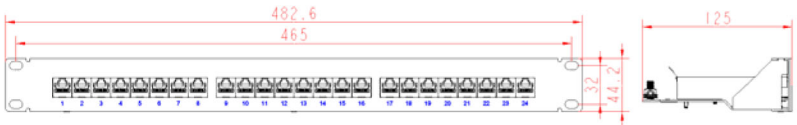


CAT6A Screened Right Angle Patch Panel



DIAGRAM & DESCRIPTION

OPTiLite Category 6A patch panels are manufactured and tested to the Category 6 performance standards defined by the TIA, ISO and EN standards bodies. A range of performance characteristics are tested upto 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed. Actual performance far exceeds the required standard – when tested in isolation and in circuit – resulting in significant headroom for even the most demanding of applications. As well as providing link and channel compliance – when installed with OPTiLite category 6 components – with the aforementioned specification – the panel is also backward compatible with Category 5e components.



FEATURES

- Supports Gigabit Ethernet
- LSA Style Termination Blocks
- Category 6 compliant
- Backward Compatible with Category 5e

TECHNICAL SPECIFICATIONS

ELECTRICAL

Current Rating: 1.5 Amps
 Insulation Resistance : $\geq 500 \text{ M}\Omega$
 Contact Resistance : $\leq 10 \text{ m}\Omega$
 DC Resistance : $\leq 0.1 \Omega$
 DC/AC Volt Endurance : DC1000V/AC750V 1min

MECHANICAL

Plug Insertion Life 2750 Cycles WITH FCC COMPLIANT RJ-45 PLUG
 Plug & Jack Contact Force ≥ 100 Grams WITH FCC COMPLIANT RJ-45 PLUG
 Plug Retention Force: $\geq 11 \text{ lbf}$
 DURABILITY: 200 TERMINATION CYCLES
 OPERATING TEMPERATURE : -10°C OPERATING HUMIDITY:10%~90%RH
 STORAGE TEMPERATURE : -40°C TO 68°C

PHYSICAL

Housing : High impact flame retardant plastic, UL 94V-0 rated
 PCB: FR-4, 1.2mm Thickness
 Jack Wire: 0.35mm Phosphor bronze gold over nickel plating
 IDC CONDUCTOR 0.5mm Phosphor bronze, tin-plating
 CONTACT COMPATIBILITY:ACCOMMODATES 23 TO 24 AWG SOLID

STANDARDS VERIFICATION

ANSI/TIA-568-C.2 ;
 ISO/IEC 11801 :2002/Amd.2:2010 ;
 YD/T 926.3-2009 ;
 ISO/IEC 60603-7 COMPLIANT ;
 RoHS directive 2002/95/EC compliant

System Warranty:

The OPTiLite Cabling System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited OPTiLite Partner who has designed, supplied and installed the said system.

