COMMSCOPE®

UTP

STP

Category 6_A RJ45 UTP and STP Modular Keystone Jack

The Category 6_A jack is a core component of the Category 6_A solution and utilised at the outlet and within the patch panel.

The key to delivering a high performing jack is to reduce the insertion loss and alien crosstalk that are prevalent at high frequencies associated with 10 Gigabit Ethernet.

A high performance PCB within the jack, together with carbon cap to mitigate alien crosstalk, have produced a leading edge component necessary to deliver the high performance demanded.

The Category 6_A jack utilises punchdown terminations onto LSA-PLUS® contacts to ensure swift installation.

Features

- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Exceeds the requirements of IEEE 802.3an (10GBASE-T) and ISO/IEC 11801:2002 amendment/channel requirements
- Keystone design ensures compatibility with a range of keystone faceplates and adaptors
- Maximises productivity levels with 10 times the data throughput of Category 6
- True future proofing for tomorrow's network applications
- T-568A/B wiring
- Covered by the CommScope System Warranty

Category 6_A RJ45 UTP and STP Modular Keystone Jack

Ordering Information

Description	Catalogue Number
Modular Jack, Augmented Category 6 Keystone UTP, Pure White (Pack of 1)	6830 1 885-01
Modular Jack, Augmented Category 6 Keystone UTP, Black (Pack of 1)	6830 1 885-04
Modular Jack, Augmented Category 6 KM8 STP (Pack of 1)	6830 1 810-0X
Modular Jack, Augmented Category 6 KM8 STP (Pack of 8)	6830 2 711-0X

For X use:
1 = White
2 = Ivory
3 = Grey
4 = Black

Augmented Category 6 Modular Keystone Jack suitable for Keystone 25x50 Angled Adaptor: 6538 4 111-05, LJ6C Keystone Adaptor: 6830 2 402-00, Keystone Faceplates: 6538 3 111-03/04, Keystone Faceplate 45x45: 6690 1 825-00

Technical Specifications

Electrical Data

	UTP	STP
Insulation resistance at +60°C and 93% relative humidity	≥ 1GΩ	≥ 00mΩ
Dielectric strength	Contact / contact ≤ 1.0kV DC	Contact / contact 1.0kV Contact / shield 1.5kV
Current carrying capacity	≥ 1A	≥ 1A
Typical plug / jack contact resistance	≤ 20mΩ	≤ 20mΩ
Typical IDC contact resistance	≤ 5mΩ	≤ 1mΩ
Conductor terminations of LSA-PLUS contacts	≥ 200	≥ 30
Conductor diameter	0.5-0.65mm (AWG 24-22)	0.5-0.65mm (AWG 24-22)
Insulation diameter	0.7-1.6mm	0.7-1.6mm
Shield connection		Patented 360° shielding

Mechanical Data

Plug / jack mating cycles	≥ 750 (IEC/EN 60603-7)	≥ 750 (IEC/EN 60603-7)
Plug / jack insertion / withdrawl force	≤ 20N (IEC/EN 60603-7)	≤ 20N (IEC/EN 60603-7)
Operating temperature range	-10°C to +60°C	-10°C to +60°C
Operating humidity range	≤ 95% R.H. non condensing	≤ 95% R.H. non condensing

Testing Requirements

Connection technology	ISO/IEC 11801:2002 ANSI/TIA/EIA-568-B.2-1 EN 50173-1:2002
Channel testing	Latest ISO/IEC 11801:2002 Amendment/channel requirements

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