

Shielded CAT6/STP Cabling

KD-CAT6STP1X

High Performance CAT6/STP Cabling – 1,000 ft. spool



Key Features

- › **Applications:** 1000Base-TX, 100Base-TX; 10Base-T and HDBaseT®
- › **Twisted Pairs:** 4 individually aluminum-foil screened & overall braid-shielded to an S/FTP form
- › **Frequency Range:** 1 to 1.4 Ghz
- › **Conductor Size:** 23 Awg Bare Copper
- › **Internal Shield Material:** Aluminum-Mylar Tape
- › **Overall Shield Material:** Tinned-Copper Braid
- › **Conductor Color Code:** Standard
- › **Total Wires:** 8
- › **Designed to work with:** Key Digital® Digital IQ Series™ HDBaseT/HDMI via CAT6 Matrix Switchers and FatCAT Series™ Extenders to ensure improved syncing / stable signals
- › **Strain-relief neck:** Acts as drain-wire connectivity point
- › **2-piece connector:** Includes plastic insert for each wire in respective standard
- › **Utilize:** Reliable long distance HD video signals
- › **Future-proofs:** Any LAN installation by ensuring high-performance voice, data, video and security capabilities for cabling in noisy environment

Specifications

Compliance:

- › ANSI/TIA-568-C.2 CAT.6; ISO/IEC 11801 CLASS E
- › Flame retardant according to: IEC 60332-1-2
- › RoHS per EU Directive 2002/95/EC
- › Listed: UL/cUL

Construction:

- › **Conductor:** Copper; Size Bare: 23AWG
- › **Insulation:** Foam-Skin PE; Thickness Nominal: 0.414 mm; Diameter Nominal: 1.387 mm; Colors: Blue/White, Orange/White, Green/White, Brown/White; Unaged Elongation: Min. 100%; Unaged Tensile Strength: Min. 0.816 Kg/mm²
- › **Screen:** Aluminum-Mylar tape and tinned copper braid
- › **Jacket:** Flame Retardant PVC; Thickness Nominal: 0.5 mm; Diameter Nominal: 7.2 mm; Color: Blue; Unaged Elongation: Min. 100%; Unaged Tensile Strength: Min. 1.407 Kg/mm²; Aging at 100°C for 168 Hrs: Min. elongation retention: 50%, Min. tensile strength retention: 75%

Electrical:

- › Dielectric Strength of Insulation: 1500 V dc 1 2 seconds
- › Insulation Resistance Test: Min. 5000 M Ω -Km
- › Conductor Resistance: Max. 9.38 Ω /100m at 20°C
- › Resistance Unbalance: Max. 2%
- › Capacitance Unbalance: Max. 160 pF/100m
- › Mutual Capacitance: Max. 5600 pF/100m
- › Impedance: 772kHz – 125 Ω \pm 20%; 1~250MHz – 100 Ω \pm 15%

KD-RJ45SC

RJ45 Shielded Connectors, required for all Key Digital CAT6/STP Cables

Key Features

- › **Optimized for:** Key Digital® CAT6/STP Cables
- › **Applications:** 1000Base-TX, 100Base-TX; 10Base-T and HDBaseT®
- › **Utilize:** Reliable long distance HD video signals
- › **Application:** Shielded Twisted Pair Cable
- › **Gold Plated Contacts:** 15 μ

