



kramer

BC-UNIKAT

CAT6A U/FTP Video & LAN Bulk Cable –
Low Smoke & Halogen Free

| Ethernet - RJ-45 | DGKat | HDBaseT



Kramer's BC-UNIKAT cable is a unified CAT6a cable that handles all Pro AV and IT signals. Over four individually screened twisted pairs, this U/FTP CAT6A cable runs Kramer's DGKat™ technology, 4K HDBaseT™ technology or LAN applications and ensures optimal signal performance

FEATURES

Quality Construction - 4 shielded twisted pairs (U/FTP) of 23AWG solid copper conductors are cabled together in an unshielded outer jacket

Optimized for Kramer Hardware - Use with any of Kramer's wide range of twisted pair digital transmitter-receiver sets. Terminate with shielded transmitter-receiver sets (DGKat™ and HDBaseT) and shielded RJ-45 connectors

HDBaseT Recommended - www.hdbaset.org/hdbaset-recommended-cables/

Reaction to Fire Classification - Dca-s2,d1,a1 (optional: B2ca-s1,d1,a1)

RJ-45 Connector - The larger diameter 23AWG twisted pair cable requires a suited RJ-45 connector. Use the K-LAN CON-RJ45-3

Length - Available in reel boxes of 100m (328ft) & wooden drums of 305/500m (1000/1640ft)



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TECHNICAL SPECIFICATIONS

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|------------------------------------|---|
| CONDUCTORS | Size: 4x2x23AWG Material: Annealed copper Diameter: 0.56mm ±0.01mm |
| INSULATION | Material: Skin/Foam/Skin HDPE Diameter: 1.33mm ±0.10mm Color Code: White/Blue, White/Orange, White/Green, White/Brown |
| SCREENING | Material: Alu/PET per pair (Alu side out) |
| DRAIN WIRE | Material: Tinned copper Diameter: 0.4mm ±0.01mm |
| JACKET | Material: LSHF Color: Blue RAL 5012 Thickness: ≥0.5mm Diameter: 7.2mm ±0.2mm |
| ELECTRICAL | Impedance: 1–100MHz: 100Ω ±15Ω, 100–250MHz: 100Ω ±20Ω, 250–500MHz: 100Ω ±25Ω Propagation Velocity (NVP): 76% Voltage Rating: 60V Delay Skew: <45ns Mutual Pair Capacitance: ≤42pF/m Capacitance Unbalance Pair/ground: ≤1500pF/km Conductor DC Resistance: <79.8Ω/km Pair Resistance Unbalance DC: <1.5% Dielectric Strength: 2.5kV DC (2s) Insulation Resistance (500V): >5000MΩ/km |
| USAGE AND ENVIRONMENTAL | Storage / Transport / Installation Temperature: 0°C to +50°C Operation Temperature: -20°C to +60°C |
| MECHANICAL | Maximum Pulling Tension: 100N Bending Radius - Installed: 50mm Bending Radius - During Installation: 60mm |
| STANDARDS COMPLIANCE - EC VERIFIED | Electrical: EIA/TIA 568A, ISO/IEC 11801 Fire Performance: IEC 60332-1 Smoke Density: IEC 61034 |

Halogen Free: IEC 60754

RoHS: 2011/65/EU

STANDARDS
COMPLIANCE

Reaction to Fire Classification Dca-s2,d1,a1 (optional: B2ca-s1,d1,a1)



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CONFIGURATIONS

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|------------------------|---|
| BC-UNIKAT/LSHF-100M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue) |
| BC-UNIKAT/LSHF-305M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue) |
| BC-UNIKAT/LSHF-500M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Blue) |
| BC-UNIKAT/LSHF/BK-305M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Black) |
| BC-UNIKAT/B2ca-305M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Black jacket and Reaction to fire, in accordance with Regulation (EU) No 305/2011, B2ca-s1,d1,a1) |
| BC-UNIKat/LSHF/GR-500M | 23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Gray) |
