



# 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/](http://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)



## TECHNICAL SPECIFICATIONS

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CONDUCTORS	Size: 4x2x23AWG Material: Annealed copper Diameter: 0.56mm $\pm$ 0.01mm
INSULATION	Material: Skin/Foam/Skin HDPE Diameter: 1.33mm $\pm$ 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 $\pm$ 0.01mm
JACKET	Material: LSHF Color: Blue RAL 5012 Thickness: $\geq$ 0.5mm Diameter: 7.2mm $\pm$ 0.2mm
ELECTRICAL	Impedance: 1–100MHz: 100 $\Omega$ $\pm$ 15 $\Omega$ , 100–250MHz: 100 $\Omega$ $\pm$ 20 $\Omega$ , 250–500MHz: 100 $\Omega$ $\pm$ 25 $\Omega$ Propagation Velocity (NVP): 76% Voltage Rating: 60V Delay Skew: <45ns Mutual Pair Capacitance: $\leq$ 42pF/m Capacitance Unbalance Pair/ground: $\leq$ 1500pF/km Conductor DC Resistance: <79.8 $\Omega$ /km Pair Resistance Unbalance DC: <1.5% Dielectric Strength: 2.5kV DC (2s) Insulation Resistance (500V): >5000M $\Omega$ /km
USAGE AND ENVIRONMENTAL	Storage / Transport / Installation Temperature: 0 $^{\circ}$ C to +50 $^{\circ}$ C Operation Temperature: -20 $^{\circ}$ C to +60 $^{\circ}$ 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





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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)