



# KRAMER

## BC-UNIKAT

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

| Ethernet - RJ-45 | DGKat | HDBaseT



The Kramer 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/)

**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

Material: Annealed copper

Diameter: 0.56mm  $\pm$ 0.01mm

### INSULATION

Diameter: 1.33mm  $\pm$ 0.10mm

Color Code: White/Blue, White/Orange, White/Green, White/Brown

### SCREENING

### DRAIN WIRE

Diameter: 0.4mm  $\pm$ 0.01mm

### JACKET

Color: Blue RAL 5012

Thickness:  $\geq$ 0.5mm

Diameter: 7.2mm  $\pm$ 0.2mm

### ELECTRICAL

Propagation Velocity (NVP): 76%

Voltage Rating: 30V

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

Operation Temperature:  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

### MECHANICAL

Bending Radius - Installed: 50mm

Bending Radius - During Installation: 60mm

STANDARDS COMPLIANCE - EC VERIFIED

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/LSHF/PR-305M	23 AWG U/FTP CAT6A Bulk Cable Optimized for Kramer's DGKat, HDBaseT and LAN applications (Purple)
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)