



# KRAMER

## BC-UNIKAT

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

| Ethernet - RJ-45 | DGKat | HDBaseT



Kramer's BCUNIKAT 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**

**HDBaseT Recommended** - [www.hdbaset.org/hdbasetrecommendedcables/](http://www.hdbaset.org/hdbasetrecommendedcables/)

**RJ-45 Connector** - The larger diameter 23AWG twisted pair cable requires a special RJ45 connector

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



## TECHNICAL SPECIFICATIONS

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Size:	4x2x23AWG
Material:	Annealed copper
Diameter:	0.56mm $\pm$ 0.01mm
Material:	Skin/Foam/Skin HDPE
Diameter:	1.33mm $\pm$ 0.10mm
Color Code:	White/Blue, White/Orange, White/Green, White/Brown
Material:	Alu/PET per pair (Alu side out)
Material:	Tinned copper
Diameter:	0.4mm $\pm$ 0.01mm
Material:	LSHF
Color:	Blue RAL 5012
Thickness:	0.5mm
Diameter:	7.2mm $\pm$ 0.2mm
Impedance:	1100MHz: 100 $\pm$ 15, 100250MHz: 100 $\pm$ 20, 250500MHz: 100 $\pm$ 25
Propagation Velocity (NVP):	76%
Voltage Rating:	30V
Delay Skew:	<45ns
Mutual Pair Capacitance:	42pF/m
Capacitance Unbalance Pair/ground:	1500pF/km
Conductor DC Resistance:	<79.8/km
Pair Resistance Unbalance DC:	<1.5%
Dielectric Strength:	2.5kV DC (2s)
Insulation Resistance (500V):	>5000M/km
Storage / Transport / Installation Temperature:	0C to +50C
Operation Temperature:	20C to +60C
Maximum Pulling Tension:	100N
Bending Radius - Installed:	50mm
Bending Radius - During Installation:	60mm
Electrical:	EIA/TIA 568A, ISO/IEC 11801

Fire Performance: IEC 603321  
Smoke Density: IEC 61034  
Halogen Free: IEC 60754  
RoHS: 2011/65/EU



## 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)