



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/

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

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
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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 Ω /km
Pair Resistance Unbalance DC:	<1.5%
Dielectric Strength:	2.5kV DC (2s)
Insulation Resistance (500V):	>5000M Ω /km

USAGE AND ENVIRONMENTAL

Operation Temperature:	-20°C to +60°C
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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

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)