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)

TECHNICAL SPECIFICATIONS

CONDUCTORS

Material:	Annealed copper
Diameter:	0.56mm ±0.01mm

INSULATION

Diameter:	1.33mm ±0.10mm
Color Code:	White/Blue, White/Orange, White/Green, White/Brown

SCREENING

DRAIN WIRE

Diameter:	0.4mm ±0.01mm

JACKET

Color:	Blue RAL 5012
Thickness:	≥0.5mm
Diameter:	7.2mm ±0.2mm

ELECTRICAL

Propagation Velocity (NVP):	76%
Voltage Rating:	30V
Delay Skew:	<45ns
Mutual Pair Capacitance:	≤42pF/m
Capacitance Unbanlance 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

Operation Temperature:	−20˚C to +60˚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

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)