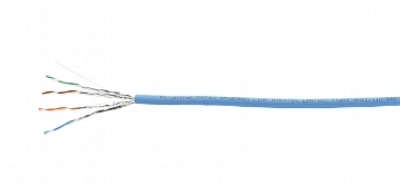
BC-UNIKAT

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/
- **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

CONDUCTORS	Size: 4x2x23AWG
	Material: Annealed copper
	Diameter: 0.56mm ±0.01mm
INSULATION	Material: Skin/Foam/Skin HDPE
	Diameter: 1.33mm ±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 ±0.01mm
JACKET	Material: LSHF
	Color: Blue RAL 5012
	Thickness: ≥0.5mm
	Diameter: 7.2mm ±0.2mm
ELECTRICAL	Impedance: 1−100MHz: 100Ω ±15Ω, 100−250MHz: 100Ω ±20Ω, 250−500MHz: 100Ω ±25Ω
	Propagation Velocity (NVP): 76%
	Voltage Rating: 60V
	Delay Skew: <45ns
	Mutual Pair Capacitance: ≤42pF/m
	Capacitance Unbalance 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	Storage / Transport / Installation Temperature: 0˚C to +50˚C
	Operation Temperature: −20˚C to +60˚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
STANDARDS COMPLIANCE	Reaction to Fire Classification Dca−s2,d1,a1 (optional: B2ca−s1,d1,a1)

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/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)