

# Kramer BC-UNIKat/LSHF/BK-305M 1000ft/305m 23 AWG U/FTP CAT6A Bulk Cable for DGKat/HDBaseT and LAN Applications/Black

## CONDUCTORS

- Size: 4x2x23AWG
- Material: Annealed copper
- Diameter: 0.56mm  $\pm$ 0.01mm

## INSULATION

- Material: Skin/Foam/Skin HDPE
- Diameter: 1.33mm  $\pm$ 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  $\pm$ 0.01mm

## JACKET

- Material: LSHF
- Color: Blue RAL 5012
- Thickness:  $\geq$ 0.5mm
- Diameter: 7.2mm  $\pm$ 0.2mm

## ELECTRICAL

- Impedance: 1-100MHz: 100 $\Omega$   $\pm$ 15 $\Omega$ , 100-250MHz: 100 $\Omega$   $\pm$ 20 $\Omega$ , 250-500MHz: 100 $\Omega$   $\pm$ 25 $\Omega$
- 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

- 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