



# kramer

## BC6A-LS403

CAT6A F/FTP 650MHz 4x2x23AWG Bulk  
Cable – Low Smoke & Halogen Free

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Kramer's BC6A-LS403 bulk cable is a high-quality CAT6A F/FTP low smoke & halogen free four pair twisted cable, designed for LAN applications that ensures optimum performance

## FEATURES

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**Quality Construction** - 4 shielded twisted pairs (F/FTP) of 23AWG solid copper conductors are cabled together in a shielded outer LSHF jacket

**Performance** - Tested up to 650MHz

**RJ-45 Connector** - The larger diameter 23AWG twisted pair cable requires a special RJ-45 connector. Use the K-LAN CON-RJ45-3

**Ideal for 10GbE and legacy speeds applications**

**Length** - Available in wooden drums of 305m & 500m (1000 & 1640ft)



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## TECHNICAL SPECIFICATIONS

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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	Per Pair Material: Alu/PET per pair (Alu side out)
DRAIN WIRE	Material: Tinned copper Diameter: 0.4mm $\pm$ 0.01mm
OVERALL SHIELD	Material: Alu/PET (Alu inside) Coverage: $\geq$ 115%
JACKET	Material: LSHF Color: Yellow RAL 1018 Thickness: $\geq$ 0.4mm Diameter: 7.4mm $\pm$ 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	Electrical Standards: EIA/TIA 568A, ISO/IEC 11801

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

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BC6A-LS403-D305M CAT6A F/FTP 650MHz 23AWG Bulk Cable - Low Smoke & Halogen Free

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BC6A-LS403-D500M CAT6A F/FTP 650MHz 23AWG Bulk Cable - Low Smoke & Halogen Free

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