

Kramer BCLS-31YL-5 500m/1640ft CAT 6A U/UTP LSZH Bulk Cable - Yellow

| | |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONSTRUCTION | |
| CONDUCTOR: | 4 pairs of 23AWG solid bare copper. |
| INSULATION: | Polyolefin (PO); blue & white, orange & white, green & white, brown & white. |
| TWIST: | Left-hand. |
| ASSEMBLY: | Left hand direction. |
| RIP CORD: | Polyester multi-yarn. |
| JACKET: | Low smoke zero halogen (LSZH), yellow (Pantone 116C). |
| DIAMETERS | |
| JACKET: | Diameter: 8.3 ±0.2mm; thickness: 1.10 ±0.01mm. |
| INSULATION: | Blue & white: 1.17 ± 0.02mm Orange & white: 1.12 ± 0.02mm Green & white: 1.15 ± 0.02mm Brown & white: 1.10 ± 0.02mm. |
| ELECTRICAL | |
| TEMPERATURE & VOLTAGE RATING: | 60°C @300V. |
| SPARK TEST: | 2.5kV DC. |
| AC LEAKAGE CURRENT: | =10mA (1.5kV AC) through overall jacket. |
| CONDUCTOR DC RESISTANCE: | =9.38? /100m. |
| RESISTANCE UNBALANCE: | =5%. |
| DIELECTRIC STRENGTH: | 1.5kV AC for 2sec. |
| INSULATION RESISTANCE: | =5000M? /m. |
| MUTUAL CAPACITANCE: | =5.6nF /100m. |
| CAPACITANCE UNBALANCE: | =330pF /100m pair-to-ground. |
| CHARACTERISTIC IMPEDANCE: | 100±15? @1~100MHz. |
| COUPLING ATTENUATION: | =55dB @30MHz, =41dB @500MHz. |
| REGULATORY PERFORMANCE | |
| ANSI/TIA-568-C.2 (2009): | Balanced Twisted-Pair Telecommunications Cabling and Components Standards. |
| ISO/IEC 11801 (EDITION 2.2): | Information technology - Generic cabling for customer premises. |
| IEC 61156-5 (EDITION 2.0): | Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz - Horizontal floor wiring - Sectional specification. |
| EN 50288-6-1:2013: | Multi-element metallic cables used in analogue and digital communication and control - Part 6-1: Sectional specification for unscreened cables characterized up to 250MHz - Horizontal and building backbone cables. |
| REGULATORY SAFETY | |
| EN 50173-1:2011: | Information technology - Generic cabling systems - Part 1: General requirements. |
| IEC 60332-1-2: | Tests on electric and optical fiber cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1kW pre-mixed flame. |
| IEC 61034-1 / 61034-2: | Measurement of smoke density of cables burning under defined conditions. |
| IEC 60754-2 | Test on gases evolved during combustion of materials from cables. |
| EU DIRECTIVE 2011/65/EC (ROHS 2). | |

| | |
|------------------------------------|-----------------------------------------------------------------------------------------|
| EU DIRECTIVE 2006/95/EC (LVD). | |
| CE COMPLIANCE DATE: 2010.01.01. | |
| USAGE & ENVIRONMENTAL | |
| CABLE COLD BEND: | -20°C for 4hr. |
| INSULATION TENSILE STRENGTH: | 2400 PSI min. (1.69kg/m.sq). |
| NVP | 67%. |
| TEMPERATURE RANGE: | Storage & shipping: -20°C to 60°C; installation: 0°C to 60°C; operation: -20°C to 60°C. |
| MINIMUM BENDING RADIUS: | =4 times of overall diameter. |
| MAXIMUM PULLING TENSION: | =110N. |
| | |
| FILLER: | Polyolefin (PO). |