

Kramer BCLS-45RD-5 500m/1640ft CAT 7 S/FTP LSZH Bulk Cable - Red

CONSTRUCTION	
CONDUCTOR:	4 pairs of 23AWG solid bare copper.
INSULATION:	Polyolefin (PO); blue & white, orange & white, green & white, brown & white.
TWIST:	Left-hand.
SHIELD:	Al Mylar tape, 100 % coverage and aluminum side facing out.
ASSEMBLY:	Left hand direction.
BRAID:	Tinned copper, 730 % coverage.
JACKET:	Low smoke zero halogen (LSZH), red (Pantone 1797C).
DIAMETERS	
JACKET:	Diameter: 7.7 ±0.2mm; thickness: 0.50 ±0.05mm.
INSULATION:	Blue & white: 1.33 ± 0.02mm Orange & white: 1.30 ± 0.02mm Green & white: 1.33 ± 0.02mm Brown & white: 1.30 ± 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:	=160pF /100m pair-to-ground.
CHARACTERISTIC IMPEDANCE:	100±15? @1~100MHz.
REGULATORY PERFORMANCE	
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	73%.
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.