



BCP-HDKat6

CAT6 F/UTP Cable for DGKat, HDBaseT and LAN Systems – Plenum Rated

| Ethernet - RJ-45 | DGKat | HDBaseT



BCP-HDKat6 is a high-performance unified CAT6 Plenum rated cable that handles all Pro AV and IT signals over four overall screened twisted pairs. This F/UTP CAT6 cable uses HDBaseT and Kramer's DGKat™ technology to pass video signals of up to 4K@60 (4:4:4) resolution. BCP-HDKat6 is also ideal for LAN applications.

Note: For optimum performance use the recommended Kramer RJ-45 connector

FEATURES

High-Performance Cable - Uses HDBaseT and Kramer's DGKat™ technology to pass video signals of up to 4K@60 (4:4:4) resolution with optimal signal performance

Quality Construction - 4 twisted pairs (F/UTP) of 23AWG solid copper conductors are cabled together, shielded and encased in a CMP-Plenum outer jacket

Optimized for Kramer Hardware - Use with any of Kramer's wide range of twisted pair digital transmitter-receiver sets

RJ-45 connector - BCP-HDKAT cable requires a special RJ-45 connector. Use the recommended Kramer HDKat connector – see the ACCESSORIES & RELATED PRODUCTS tab

Varied Lengths - Available in reel boxes of 76m (250ft), 152m (500ft), and 305m (1000ft)



TECHNICAL SPECIFICATIONS

CONDUCTORS	Construction: 4x2x23AWG Material: Annealed copper Outer Diameter: 0.57± 0.01mm
INSULATION	Material: FEP Outer Diameter: 1.0.8 ± 0.08mm Color: Per TIA/EIA 568-B:Blue/Blue-White, Brown/Brown-White, Orange/Orange-White, Green/Green-White Total Spiral: Mylar tape coverage: ≥ % 115
DRAIN WIRE	Material: Tinned copper Outer Diameter: 0.4 ± 0.01 mm
SCREENING	Material: Alu/PET(FR) Coverage: ≥ % 115
JACKET	Material: CMP-PVC Color: Black Thickness: ≥0.45mm Diameter: 6.6 ± 0.2mm
ELECTRICAL	Impedance: 1-100MHz / 100 ± 15Ω Propagation Velocity: 70% Mutual Pair Capacitance: ≤42 pF/m Capacitance Unbalanced (Pair to Ground): ≤1500 pF/km Max. Conductor DC Resistance: < 79.8 Ω /km Resistance Unbalance (Within Pairs): <1.5% Dielectric Strength: 2.5 kV DC (2s) Insulation Resistance: >5000 MΩ/km Voltage Rating: 30V
Environmental Conditions	Storage / Transport / Installation: 0-50°C Operation: -20°-60°C
MECHANICAL	Maximum Pulling Tension: 100 N Bending Radius (During Installation): 60mm Bending Radius (Installed): 50mm
STANDARDS COMPLIANCE	Compliant Standards: ISO/IEC 11801:2011, EC 61156-5:2009, UL 444, EN 50173, EN 50288, EIA/TIA 568-C2:2009, Fire Performance: UL-CMP (E308599)



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CONFIGURATIONS

BCP-HDKAT6-250	CAT6 F/UTP Cable in Easy Reel Box (280x2260x270mm)
BCP-HDKAT6-500	CAT6 F/UTP Cable in Easy Reel Box (390x277x377mm)
BCP-HDKAT6-1000	CAT6 F/UTP Cable in Easy Reel Box (390x277x377mm)
