



## 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

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



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## CONFIGURATIONS

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| 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)  |