



U/UTP CAT 6 CMR Riser 4 - Pair Solid LAN CABLE

APPLICATIONS

IEE 802.3 1000Base-T;100Base-T;10Base-T
IEE 802.5: 4/6 Mbps Token Ring
155 / 662 Mbps ATM
Gigabit Ethernet

FIRE RATING

CMR: UL 1666

Standards Compliance

TIA/EIA 568-C.2 CAT 6
ISO/IEC 11081
UL 444
NEMA WC-66
KS C 3342
RoHS Compliant

Construction

Conductor	23 AWG solid bare annealed copper OD: $\varnothing 0.55 \pm 0.005$ mm
Insulation	Polyethylene OD: $\varnothing 0.55 \pm 0.005$ mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue + White/Blue 2: Orange + White/Orange 3: Green + White/Green 4: Brown + White/Brown
Cable Lay-up	4 pairs with different pitches
Rip Cord	Applied longitudinally under jacket (optional)
Outer Jacket	CMR
Outer Diameter	6.1 mm \pm 0.2 mm (0.240")

Mechanical Properties

Bending Radius: $\geq 4 \times OD$ (without load)

Temperature range:

During operation: $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$

During installation: $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Voltage Rating (MAX): DC 300V

Electrical Properties

(at $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$)

DC resistance: Max $9.38\Omega / 100$ m at 20°C

Resistance unbalance: Max 5% at 20°C

Mutual Capacitance: Max 5.6 nf / 100 m at 1kHz

Characteristic impedance: $(100 \pm 15) \Omega$ at 1 ~ 250 MHz

Nominal Velocity of Propagation: 69%

Propagation delay: ≤ 535 ns / 100 m

Delay Skew: ≤ 45 ns / 100m



ISO/IEC 11801

