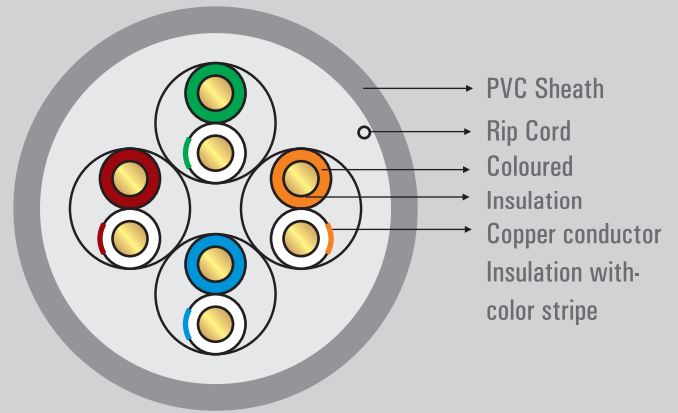## APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth up to 100MHz.

This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801

Approval: UL Listed E257005 ᶜ(UL)ᵁˢ & ETL Verified
                                    LISTED



- PVC Sheath
- Rip Cord
- Coloured Insulation
- Copper conductor
- Insulation with-color stripe

## CONSTRUCTION

| | |
|---|---|
| Conductor: | 24 AWG Solid bare Copper (4 pair) |
| Insulation: | High Density Polyethylene |
| Pairs: | 2 Insulated conductors twisted together |
| Sheath: | PVC |
| Cable Diameter: | 5.0 mm nominal |
| Printing: | Each meter printed with sequential Length Counter |

### ✦ ELECTRICAL PROPERTIES

| | |
|---|---|
| Characteristic Impedance: | $100 \pm 15\Omega$ |
| Conductor Resistance: | $\leq 9.38\ \Omega\ /100m$ |
| Mutual Capacitance: | $< 5.6nF/100m$ |
| Resistance Unbalance: | 5% Max |
| Capacitance Unbalance: | 330pF/100m |
| Delay Skew: | $< 45nS$ |
| NVP: | 69% |
| Operating Voltage: | 72V |
| Dielectric Strength: | 1.0KV dc or 0.75KV ac for 1min |

### ✦ COLOR CODE

| PAIR NO | COLOR | PAIR NO | COLOR |
|---|---|---|---|
| 1-2 | White-Orange Stripe and Orange | 3-6 | White-Green Stripe and Green |
| 4-5 | White-Blue Stripe and Blue | 7-8 | White-Brown Stripe and Brown |