

DATAMASTER

Cat6 Solid Conductor UTP Cable



FEATURES

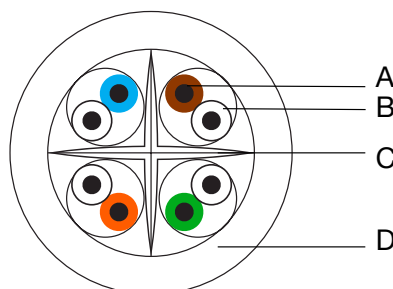
Now available in Reel In Box, with LSZH PVC jacket, Datamaster's quality Cat6 Solid conductor cable uses only 100% bare copper. 4 twisted pairs 23AWG solid copper conductors.

Capable of performing up to 550MHz, ideal for broadband video transmission and gigabit Ethernet. The significant reduction in crosstalk results in a greater overall transmission speed. Available in 10 colours, with count down metre marking. Custom branding and colour also available.

The Cat6 cable is also POE++ COMPATIBLE.

| CAT# | COLOUR | LENGTH | PACKING |
|-------------|--------|-----------|---------------|
| Y8500BLKRIB | Black | 305 Metre | Reel-in-a-box |
| Y8500BLURIB | Blue | 305 Metre | Reel-in-a-box |
| Y8500GRNRIB | Green | 305 Metre | Reel-in-a-box |
| Y8500GRYRIB | Grey | 305 Metre | Reel-in-a-box |
| Y8500ORARIB | Orange | 305 Metre | Reel-in-a-box |
| Y8500PNKRIB | Pink | 305 Metre | Reel-in-a-box |
| Y8500PURRIB | Purple | 305 Metre | Reel-in-a-box |
| Y8500REDRIB | Red | 305 Metre | Reel-in-a-box |
| Y8500WHIRIB | White | 305 Metre | Reel-in-a-box |
| Y8500YELRIB | Yellow | 305 Metre | Reel-in-a-box |

DESIGN & CONSTRUCTION



DATAMASTER

Cat6 Solid Conductor UTP Cable

| ITEM | DESCRIPTION | COLOUR | SPECIFICATION | MATERIALS |
|------|-------------|---|---|-------------------|
| A | Conductor | Copper | AWG 23 1/ 0.52 (+/- 0.008)mm | Bare Copper Solid |
| B | Insulation | Orange/White with Orange, Blue/White with Blue, Green/White with Green, Brown/White with Brown | Normal Thickness (0.238 mm) Diameter 0.95 (± 0.05mm) | HDPE |
| C | Separator | | 4.4 x 4.4 mm | Polyethylene |
| G | Jacket | | Thickness (0.55 mm) Minimum Point Thickness (0.50 mm) Diameter 6.0 (± 0.20mm) | LSZH PVC |

| FREQUENCY (MHZ) | ATTENUATION (Max dB/100m) | NEXT (Min dB) | PS NEXT (Min dB) | IMPEDANCE (Ohm) |
|-----------------|---------------------------|---------------|------------------|-----------------|
| 1 | - | 66.0 | 64.0 | |
| 4 | 3.8 | 65.3 | 63.3 | |
| 10 | 6.0 | 59.3 | 57.3 | |
| 16 | 7.6 | 56.2 | 54.2 | |
| 20 | 8.5 | 54.8 | 52.8 | |
| 31.25 | 10.7 | 51.9 | 49.9 | |
| 62.50 | 15.5 | 47.4 | 45.4 | 100 ± 15 |
| 100 | 19.9 | 44.3 | 42.3 | |
| 155 | 26.3 | 41.4 | 39.4 | |
| 200 | 29.2 | 39.8 | 37.8 | |
| 250 | 33.0 | 38.3 | 36.3 | |

ELECTRICAL CHARACTERISTICS

| | |
|-----------------------|-------------------------|
| Spark Test | 1000V DC |
| Dielectric Strength | 1000V DC for 3 seconds |
| Insulation Resistance | Min 150 MΩ-km at 20°C |
| Conductor Resistance | Max 7.91 Ω-100m at 20°C |
| Resistance Unbalance | Max 2% |
| Capacitance Unbalance | Max 330pF/100M |
| Mutual Capacitance | Max 5600pF/100M |
| NVP | 70% |
| Temperature Rating | 60°C |
| Voltage Rating | 48V |

REGULATORY COMPLIANCE



Y8500 SERIES COMMUNICATION CABLE
-UTP CAT6 ISO/IEC11801 & TIA/EIA - AS/CA
S008

CABLE MARKING

Y8500 SERIES (S3291A) COMMUNICATION CABLE -UTP CAT6
ISO/IEC11801 & TIA/EIA