DATAMASTER

ACCESS COMMUNICATIONS PTY LTD

Cat6 Solid Conductor U/UTP Cable
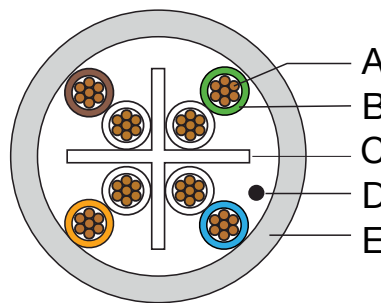## Y8510 Bulk Cable Series

FEATURES

Now available in Reel In Box, with PVC jacket, Datamaster's quality Cat6 Solid conductor cable uses only 100% bare copper. 4 twisted pairs 24AWG 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 with count down metre marking. Custom branding and colour also available on request, lead time and MOQ's apply.

The Cat6 cable is also POE++ Compatible.

CAT#	COLOUR	LENGTH	PACKING
Y8510BLU	Blue	305 Metre	Reel-in-a-box

DESIGN & CONSTRUCTION

Item	Description	Colour	Specification	Materials
A	Conductor		24 AWG 0.505mm ± 0.008mm	Bare Copper Solid
B	Insulation	Orange/White with Orange, Blue/White with Blue, Green/White with Green, Brown/White with Brown	Diameter 1.04mm	HDPE
C	Separator		4.4 x 4.4 mm	Polyethylene
D	Rip Cord			
E	Jacket		Thickness 0.6mm ± 0.1mm Diameter 6.0mm ± 0.20mm	PVC

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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