

Cat6 Stranded UTP Cable

Y8600 Pull Box

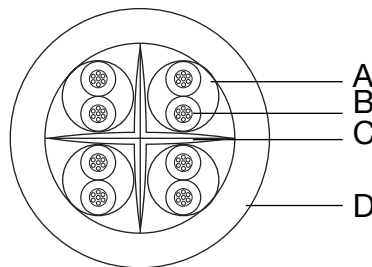


FEATURES

All Datamaster® Ethernet Cables are Fluke® tested and are manufactured to exceed Australian standards. Datamaster's Cat6 Ethernet Cable reduces the amount of crosstalk between the wires within the cable, resulting in a greater overall transmission speed. Cat6 Ethernet cable provides performance of up to 250MHz suitable for gigabit Ethernet. Made from 100% Oxygen-Free Copper. Supplied in Pull-Box, Count-Down metre-marking, Lifetime limited Warranty.

CAT#	COLOUR	LENGTH	PACKING
Y8600BLU	BLUE	305 Metre	Reel
Y8600RED	RED	305 Metre	Reel
Y8600PNK	PINK	305 Metre	Reel
Y8600PUR	PURPLE	305 Metre	Reel
Y8600YEL	YELLOW	305 Metre	Reel

DESIGN & CONSTRUCTION



To view Access' extensive ranges go to: www.accesscomms.com.au

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ITEM	DESCRIPTION	COLOUR	SPECIFICATION	MATERIALS
A	Conductor	Copper	AWG 23 7/0.215 (+/- 0.015)mm	Bare Copper
B	Insulation	Blue + White-Blue Orange + White-Orange Green + White-Green Brown + White-Green	Average Thickness (0.3 mm) Minimum Point Thickness (0.2 mm) Diameter ($\pm 1.03\text{mm} \pm 0.05\text{mm}$) Twisted Pair Diameter ($\pm 0.01\text{mm}$) 2.04	PE
C	Separator			LDPE
D	Jacket		Average Thickness (0.58 mm) Minimum Point Thickness (0.46 mm) Outer Diameter $\pm 6.50\text{mm} \pm 0.3\text{mm}$	PVC

FREQUENCY (MHZ)	RETURN LOSS (Min dB)	ATTENUATION (Max dB/100m)	NEXT (Min dB)	PS NEXT (Min dB)	IMPEDANCE (Ohm)
1	20		66.0	64.0	64kHz 125 Ω +/- 20%
4	23	4.6	65.3	63.3	
10	24.5	7.2	59.3	57.3	
16	25	9.1	56.2	54.2	
20	25	10.2	54.8	52.8	
31.25	25	12.8	51.9	49.9	1 ~ 250 MHz 100 Ω +/- 15%
62.5	24.3	18.6	47.4	45.4	
100	23.6	23.9	44.3	42.3	
155	21.5	30.4	41.4	39.4	
200	20.1	35.1	39.8	37.8	
250	18	39.6	38.3	36.3	

ELECTRICAL CHARACTERISTICS

Resistance U balance	≤ 5
Conductor resistance	Max 9.38 ($\Omega/100\text{M}$) at 20°C
Temperature rating	75°C
Voltage rating	30V
NVOP	69%
1.0 ~ 2-50.0MHz Delay Skew (ns/100m)	≤ 45

REGULATORY COMPLIANCE



Y8600 SERIES COMMUNICATION CABLE
-FTP CAT6 ISO/IEC11801 & TIA/EIA 568C.2
VERIFIED - 23AWG x 4P SOLID

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