CAT6A 1000’ BLUE SOLID UTP NETWORK BULK CABLE

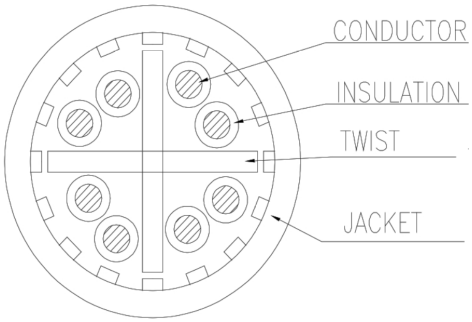
SKUS

PW-6A7B



FEATURES

- 1000’ Category 6A UTP solid bare copper Ethernet bulk cable, 23 AWG
- Designed for high-performance voice, data, video distribution, and security applications
- Supports 10GBASE-T data transmission at up to 10 Gb/s over distances up to 100 meters
- Provides a standard bandwidth of 500 MHz
- Four colour-coded twisted pairs simplify conductor identification
- 23 AWG solid bare copper conductors
- A semi-tubular cross filler maintains separation between the four twisted pairs, helping improve alien crosstalk performance
- Excellent attenuation and crosstalk characteristics
- Verified to TIA/EIA-568-C.2-10 UTP Category 6A requirements
- UL and CSA CMR rated, with an FT4 flame rating
- RoHS compliant
- Supplied on a 1000’ reel with descending footage markings



CONSTRUCTION

CONDUCTOR	Solid Bare Copper
4 TWISTED PAIRS	8C
AWG	23
CONDUCTOR	1/0.58AS±0.003mm
SOLID DIA. (mm)	0.58
INSULATION	HD PE
NOM. THICKNESS (mm)	0.28
INSULATION DIA. (±0.03mm) 4 PAIRS CABLED TOGETHER.	1.13
JACKET	PVC (CMR)
NOM. THICKNESS (mm)	0.60
OUTER DIA. (±0.15mm)	7.00

DESCRIPTION

RATED TEMPERATURE	75˚C
PRODUCT STANDARD CERTIFICATION	UL CMR & CSA CMR
FLAME TEST	FT4
APPLICATION	Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems

COLOUR

INSULATION CORES: PAIRS	P1: Blue & White/Blue P2: Orange & White/Orange P3: Green & White/Green P4: Brown & White/Brown
JACKET	Blue

PERFORMANCE

ELECTRICAL CHARACTERISTICS (20˚C)		
MAX. CONDUCTOR DC RESISTANCE (Ω/km)	93.5	
MECHANICAL CHARACTERISTICS	***Insulation***	***Jacket***
BEFORE TENSILE STRENGTH (MPa)	16.50	13.80
BEFORE AGING ELONGATION (%)	300	100
AGING CONDITION (˚C)	100±1 *2 days	100±1 *10 days
AFTER TENSILE STRENGTH (MPa)	75%	85%
AFTER AGING ELONGATION (%)	75	50
COLD BEND (-20˚C±2*4HRS)	No Crack	No Crack
HEAT SHOCK (121˚C±1*1HRS)	No Crack	No Crack

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