PC Cable World™

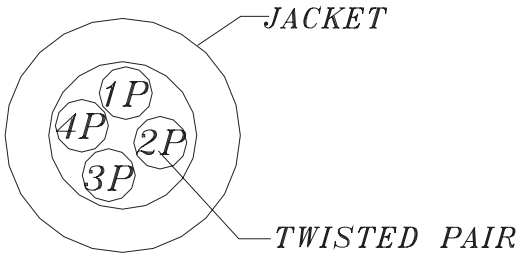
CAT5E 1000’ SOLID UTP PLENUM NETWORK BULK CABLE

SKUS

PW-509

FEATURES

- 1000’ Category 5e UTP solid bare copper plenum data communications cable, 24 AWG
- Designed for indoor voice, data, video, and security applications in plenum and air-handling spaces requiring an FT6 rating
- (UL) and C(UL) CMP rated, with an FT6 flame rating
- Tested to 350 MHz and suitable for Gigabit Ethernet applications
- Four colour-coded twisted pairs simplify conductor identification
- 24 AWG solid bare copper conductors
- Excellent attenuation and crosstalk characteristics
- ETL verified to ANSI/TIA-568.2-E, ISO/IEC 11801, and EN 50173 Category 5e requirements
- RoHS compliant
- Supplied in easy-to-handle 1000’ reel pull boxes



CONSTRUCTION

CONDUCTOR	Solid Bare Copper
4 TWISTED PAIRS	8C
AWG	24
CONSTRUCTION (±0.01mm)	1/0.51
SOLID DIA. (mm)	0.51
INSULATION	FEP
NOM. THICKNESS (mm)	0.17
INSULATION DIA. (±0.05mm) 4 PAIRS CABLED TOGETHER.	0.85
JACKET	CMP PVC
NOM. THICKNESS (mm)	0.40
OUTER DIA. (±0.2mm)	4.50



AVAILABLE COLOURS

DESCRIPTION

RATED TEMPERATURE	75˚C
PRODUCT STANDARD CERTIFICATION	(UL)&C(UL) CMP
FLAME TEST	FT6
APPLICATION	Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems
REFERENCE STANDARD	UL 444

COLOUR

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

PERFORMANCE

ELECTRICAL CHARACTERISTICS (20˚C)	
MAX. CONDUCTOR DC RESISTANCE (Ω/km)	#24:89
MIN. INSULATION RESISTANCE (Ω-m)	FEP:100M
DIELECTRIC STRENGTH	AC-500V/1 Min
IMPEDANCE (Ω)	100±15
MECHANICAL CHARACTERISTICS	
MIN. JACKET TENSILE STRENGTH (kgf/mm²)	≥1.05

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PC Cable World product specifications are subject to change without notice, but are accurate at the time of printing. Please contact a sales representative for current specs. Please note that all physical specifications are nominal.

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