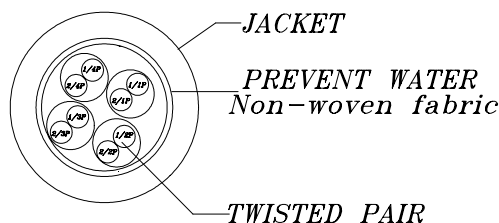


# CAT5E 1000' BLACK SOLID UTP OUTDOOR NETWORK BULK CABLE

**SKUS** PW-510

## FEATURES

- Category 5E UTP CMR/CMX Solid Copper Data Communications Cable 1000' 24 AWG
- Use for residential indoor/outdoor LAN applications as a voice, data, video or security communications medium for network installations
- Suitable for 350MHz High-Speed Data Applications and Fast Ethernet
- Shielded with DryBlock water-blocking material for a jelly-free cable core, reducing cable preparation and splicing time
- Outdoor PVC jacket is resistant to cracking after long-term UV exposure, making it ideal for installation runs that require the cable to be exposed to the elements
- Category 5E compliance supports 100Base Ethernet for LAN applications
- Meets or exceeds TIA/EIA 568-B.2 and ISO/IEC 11801 specifications
- Excellent attenuation and crosstalk characteristic
- Operating Temperature: -10 to +75 °C
- Supplied in Easy to handle 1000' Reel Pull Boxes
- CMG/FT4 rated, and RoHS compliant



## COLOUR

### INSULATED CONTACTS CORES: PAIRS

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

## CONSTRUCTION

<b>CONDUCTOR</b>	Solid Bare Copper
<b>4 TWISTED PAIRS</b>	8C
<b>AWG</b>	24
<b>CONSTRUCTION (±0.01mm)</b>	1/0.51
<b>NOM. SOLID DIA. (mm)</b>	0.51
<b>INSULATION</b>	HD PE
<b>NOM. THICKNESS (mm)</b>	0.20
<b>INSULATION DIA. (±0.05mm)</b>	0.91
<b>SHIELD</b>	Prevent water Non-woven fabric
<b>JACKET</b>	PVC
<b>NOM. THICKNESS (mm)</b>	0.76
<b>OUTER DIA. (±0.2mm)</b>	5.8

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## AVAILABLE COLOUR DESCRIPTION



<b>RATED TEMPERATURE</b>	75°C
<b>RATED VOLTAGE (V)</b>	300V
<b>PRODUCT STANDARD CERTIFICATION</b>	CMX-Outdoor & C(UL)CMG
<b>FLAME TEST</b>	FT4
<b>APPLICATION</b>	Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems
<b>REFERENCE STANDARD</b>	UL 444

## PERFORMANCE

<b>ELECTRICAL CHARACTERISTICS (20°C)</b>	
<b>MIN. INSULATION RESISTANCE (Ω/m)</b>	HD PE:100M
<b>DIELECTRIC STRENGTH</b>	AC-500V/1 Min
<b>CONDUCTOR RESISTANCE</b>	Max. 9.38 ohms/100m
<b>D-C RESISTANCE UNBALANCE</b>	Max. 5%
<b>PAIR-TO-GROUND CAPACITANCE UNBALANCE</b>	Max. 330 pF/100m
<b>CHARACTERISTIC IMPEDANCE (1-100MHZ)</b>	100 +/- 15 ohms
<b>PROPAGATION DELAY SKEW (1-100MHZ)</b>	Max. 45ns/100m
<b>MECHANICAL CHARACTERISTICS</b>	
<b>MAX. TENSILE STRENGTH OF JACKET (kgf/mm²)</b>	≥1.05
<b>MAX. LENGTH FOR STRIP OF JACKET (mm)</b>	40
<b>ENVIRONMENTAL CHARACTERISTIC</b>	
<b>INSTALLATION TEMPERATURE</b>	-10°C - +75°C
<b>OPERATION TEMPERATURE</b>	-10°C - +75°C
<b>STORAGE TEMPERATURE</b>	-10°C - +75°C