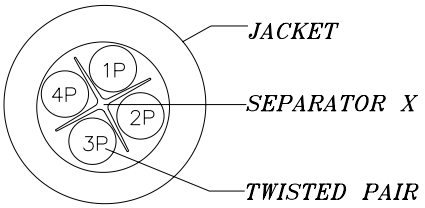
CAT6 1000’ STRANDED UTP NETWORK BULK CABLE

SKUS

PW-608

FEATURES

- 1000’ Category 6 UTP stranded bare copper data communications cable, 24 AWG
- Designed for indoor voice, data, video distribution, and security applications
- Stranded bare copper conductors provide greater flexibility than solid copper conductors
- Tested to 550 MHz for high-speed data applications
- Excellent attenuation and crosstalk characteristics
- An X-shaped PE separator maintains separation between the four twisted pairs, helping reduce crosstalk
- Four colour-coded twisted pairs simplify conductor identification
- ETL verified to ANSI/TIA-568.2-E, ISO/IEC 11801, and EN 50173 Category 6 requirements
- UL CM and CSA CMG rated, with an FT4 flame rating
- RoHS compliant
- Supplied in easy-to-handle 1000’ reel pull boxes



CONSTRUCTION

CONDUCTOR	Stranded Bare Copper
4 TWISTED PAIRS	8C
AWG	24
CONSTRUCTION (±0.008mm)	7/0.20
STRANDED DIA. (mm)	0.61
INSULATION	HD PE
NOM. THICKNESS (mm)	0.18
INSULATION DIA. (±0.05mm) CABLED TOGETHER, PUTTING SEPARATOR X(PE) ACROSS	0.97
JACKET	PVC
NOM. THICKNESS (mm)	0.59
OUTER DIA. (±0.2mm)	6.0



AVAILABLE COLOURS

DESCRIPTION

RATED TEMPERATURE	75˚C
PRODUCT STANDARD CERTIFICATION	UL CM & CSA CMG
FLAME TEST	FT4
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
DC RESISTANCE UNBALANCE	Max. 5%
MIN. INSULATION RESISTANCE (Ω-km)	HD PE:100M
DIELECTRIC STRENGTH	AC-500V/1 Min
PAIR-TO-GROUND CAPACITANCE UNBALANCE	Max. 330 pF/100 m
CHARACTERISTIC IMPEDANCE (1-250 MHZ)	100 ± 15 ohms
PROPAGATION DELAY SKEW (1-250 MHZ)	Max. 45 ns/100 m
MECHANICAL CHARACTERISTICS	
TEST OBJECT / MATERIAL	Jacket / PVC
BEFORE TENSILE STRENGTH (kgf/mm²)	≥1.05

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