CAT6 1000’ GREY SOLID SHIELDED F/UTP NETWORK BULK CABLE

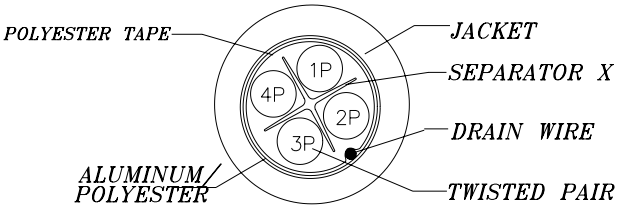
SKUS

PW-605



FEATURES

- 1000’ Category 6 F/UTP shielded solid bare copper data communications cable, 23 AWG
- Designed for indoor networking installations in environments with electromagnetic interference and radio-frequency interference (EMI/RFI)
- Tested to 550 MHz for high-speed data applications
- Excellent attenuation and crosstalk characteristics
- ETL verified to ANSI/TIA-568.2-E Category 6 requirements
- (UL) CM and CSA CMG rated, with an FT4 flame rating
- The twisted pairs are wrapped with polyester tape and an aluminum/polyester shield, with a tinned copper drain wire
- Polyester tape and aluminum/polyester layers each provide ≥125% coverage
- Supplied in easy-to-handle 1000’ reel pull boxes



CONSTRUCTION

CONDUCTOR	Solid Bare copper
4 TWISTED PAIRS	8C
AWG	23
CONSTRUCTION (±0.02mm)	1/0.59
SOLID DIA. (mm)	0.59
INSULATION	PE
NOM. THICKNESS (mm)	0.25
INSULATION DIA. (±0.05mm)	1.15
SHIELD / COVERAGE (%)	Polyester Tape / ≥125%
DRAIN WIRE (TINNED COPPER) (±0.008MM)	7/0.20TG
SHIELD / COVERAGE (%)	Aluminum/Polyester / ≥125%
JACKET	PVC
NOM. THICKNESS (mm)	0.59
OUTER DIA. (±0.10mm)	7.2

AVAILABLE COLOUR

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

INSULATED CONTACTS 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)	#23:93.8
DC RESISTANCE UNBALANCE	Max. 5%
MIN. INSULATION RESISTANCE (Ω-m)	PE:100M
DIELECTRIC STRENGTH	DC-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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