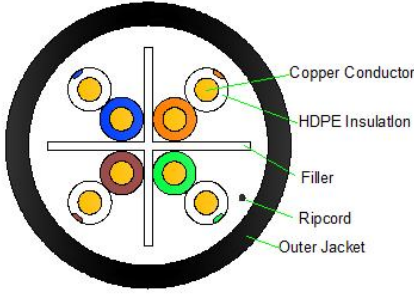


VF NETWORKING

CAT6 U/UTP SPECIFICATION

Description: Product Description: 4P U/UTP CAT6 23AWG PE LAN CABLE Reference standard: ANSI/TIA-568.2-D & ISO/IEC 11801 Rated temperature: 60 ℃ Flame test: Colour-coded PE insulation Solid copper PE jacket			Application: 100 Base-TX 100 Base-T 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 1000 Base-TX 155Mbps ATM 622Mbps ATM									
Data Sheet												
Structure	Construction	U/UTP										
	Number of pairs	4Pairs										
Conductor	AWG	23AWG										
	Material	Solid copper										
	Conductor dimension (mm)	0.55±0.01										
Insulation	Insulation Material	HDPE	Electrical Characteristics 1--250MHz Impedance 100±15Ω Max. delay skew ≤ 45ns/100m Max. conductor resistance 93.8Ω/km Max. conductor resistance unbalance 5% Min. insulation resistance 5000 MΩ • km Nom. mutual capacitance ≤5.6nF/100m Nominal velocity of propagation 69%									
	Insulation dimension(mm)	0.96±0.05										
Pairs	1	White-Blue/Blue										
	2	White-Orange/Orange										
	3	White-Green/Green										
	4	White-Brown/Brown										
Filler	Filler material	YES						Mechanical Characteristics Outer jacket tensile strength ≥ 10Mpa Outer jacket elongation ≥ 350% Outer jacket aging condition 100℃ x 168hrs After aging, Tensile strength ≥ 12.5Mpa After aging, Elongation ≥ 125% Cold bend No crack (@-20℃x4hrs) Hot impact NO Crack(@150℃x4hrs)				
Binder	Binder material	N/A										
Shield	Individual shield & material	N/A										
	Primary overall shield & material	N/A										
	Secondary overall shield & material	N/A										
	Shield coverage	N/A										
Outer jacket	Drain wire	N/A										
	Outer jacket material	PE										
	Outer jacket nominal thickness(mm)	0.60±0.05										
	Overall dimension (mm)	6.0±0.3										
Outer jacket	Outer jacket colour	Per customer request										
	Outer jacket rip cord	YES										
	Packing	Per customer request										
Test	Perm.Link test by fluke 90±5m											
Marking	VF Networking VF-CAT6 U/UTP EXT LAN CABLE OUTDOOR 23AWG 4PAIRS CONFORM TO ANSI/TIA 568.2-D&ISO/IEC 118011 MM/YYYY running meters											
	Marking color shall be black except black jacket with white printing.											