



## CAT6 SFTP PE

### Part Number

NVL-UTP-SFTP-06

### Description

1.0-250.0 MHz Impedance(ohms)  
 Impedance delay screw(ns/100m)  
 Pair to Ground Capacitance Unbalance (PF/100m)  
 Conductor DC resistance 20%(ohms/km)  
 Resistance Unbalance(%)  
 Test object  
 Test Material  
 Before Tensile strength(Mpa)  
 Aging Elongation (%)  
 Aging condition(C x hrs)  
 Aging Period (\*hrs)  
 After Tensile strength(Mpa)  
 Aging Elongation(%)  
 Cold bend(-20±2°Cx24 hrs)  
 Conductor Resistance

### Electrical Performance (At 250MHz)

100±15  
 <45  
 330Max  
 <73.2  
 5  
 jacket  
 PE  
 ≥22  
 ≥150  
 100x240  
 100\*24h\*7d  
 ≥21  
 ≥125  
 No crack  
 ≤68.5 Ω/km at 20°C

### CABLE DATA

Conductor	solid bare copper
AWG	23
Conductor Dia(mm)	0.51 ± 0.02
Insulation	PE
Outer Diameter	1.2 mm ± 0.05 mm
Outer Jacket Diameter	8.3 mm ± 0.2 mm
Average thickness	0.6 mm ± 0.05 mm
Tensile strength	110 N
Outer Jacket Color	Black
Pair Color	Pair 1, White-Blue/Blue Pair 2, White-Orange/Orange Pair 3, White-Green/Green Pair 4, White-Brown/Brown
Drain Wire	Yes (1/0.32CCA)
Rip Cord	Yes (250D*3)
Installation Temperature	-20~+75°C
Separator	Yes (5*5*0.7mm)
Packing	Wooden Drum
Shielding	Foiled, Braided

### ELECTRICAL PERFORMANCE

Spark Test	1050 V (AC)
Dielectric Strength	2500 V dc/3 seconds
Insulation Resistance	5000 MOhm km at 20°C
Delay Shew (ns/100m)	≤45/100m
Capacitance	Max. 5600 pF/100m

### APPLICATIONS

Voice, T1, ISDN  
 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3),  
 100VG-anyLAN (IEEE802.12).  
 155/622 Mbps ATM  
 550 MHz Broadband Vedio  
 1000BASE-T Gigabit Ethernet