

# SFX/CAT5E UTP SWA

**RoHS Compliant**

## Category

## Test Standard

## Conductor

Material  
Nom.O.D (mm)

## Insulation

Material  
Diameter

## Colour

## Filler

Material

## Middle Jacket

External O.D  
Material  
Colour

## Armour

Material  
Nom.O.D (mm)

## Shield

Material  
Colour

## Outer Jacket

External O.D  
Surface  
Material  
Colour

CAT5E UTP SWA  
TIA/EIA-568-B.2-1 6/2002.ISO/IEC  
11801 2<sup>ND</sup> ED

Solid Bare Copper  
1 x0.51 Up+0.002 Down- -0.010

SPE  
0.91 (+/-0.10)mmx2x4  
White-Blue/Blue,White-  
Orange/Orange, White-  
Green/Green White-  
Brown/Brown

N/A

5.80 (+/-0.20)mm  
PVC(Complies RoHS)  
Grey

Dipped Galvanised Steel Wire  
23x0.90 UP+0.05 Down- -0.05

Mylar Shield  
Transparent

10.50(+/-0.50)mm  
Clean & Smooth  
PVC (Complies RoHS)  
Black

## Electrical Characteristics (20°C)

**Max Conductor DC Resistance at  
20°C ( $\Omega/100m$ )**

10.55

**Min Insulation DC Resistance at 20°C ( $M\Omega * M$ )**

200

**Rated Temperature (20°C)**

80°C

**Capacitance Unbalanced**

300±30 (pF/100m)

**Impedance  $\Omega$**

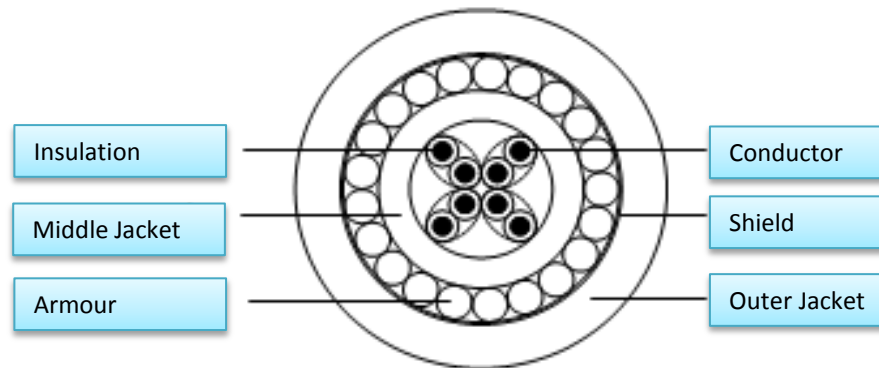
100(+/-15) $\Omega$

## Sheath Physical Properties

Before Aging Tensile Strength(Mpa)	>12.5
Elongation(%)	>125
Aging Period(°C x hrs.)	80°Cx24x7d
After Aging Tensile Strength	>10
Cold Bend(-20+/-2°Cx4h)	No Visible Cracks
Elongation(%)	>100

Information in this data sheet supplied to users is based on general experience and is given in good faith, but because of the many particular factors which are outside our knowledge which affect the use of the products, no warranty is given nor implied with respect to such information. Users should make their own enquiries to determine stability of the products.

Attenuation at 20 (-dB/100m(±15%))		Next (dB)		RL (dB)	
1.0 MHz	2	1.0 MHz	65.3	1.0 MHz	20
4.0 MHz	4.1	4.0 MHz	56.3	4.0 MHz	23
8.0 MHz	5.8	8.0 MHz	51.8	8.0 MHz	24.5
10.0 MHz	6.5	10.0 MHz	50.3	10.0 MHz	25
16.0 MHz	8.2	16.0 MHz	47.3	16.0 MHz	25
20.0 MHz	9.3	20.0 MHz	45.8	20.0 MHz	25
25.0 MHz	10.4	25.0 MHz	44.3	25.0 MHz	24.3
31.25 MHz	11.7	31.25 MHz	42.9	31.25 MHz	23.6
62.5 MHz	17	62.5 MHz	38.4	62.5 MHz	21.5
100 MHz	22	100 MHz	35.3	100 MHz	20.1



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