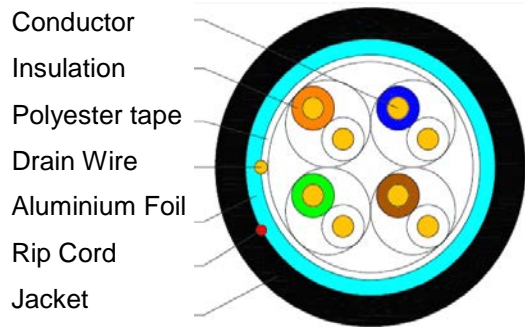


## WIREspeed Cable Solid F/UTP Cat5e Outdoor P-AIB00500



WIREspeed screened twisted pair solid CAT5e outdoor cable supports all voice, data and video protocols requiring Category 5e horizontal and backbone links including Gigabit Ethernet (1000BaseTX). This cable is compliant with ISO 11801, TIA/EIA 568B and EN 50173.

### Construction

#### Conductor & Screen

Material	Solid Annealed Copper
Diameter	0.51 ±0.01 mm
Screen	Aluminium Foil
Drain Wire	0.4 mm Tinned Copper

#### Twisted Pairs

Colour Code	White Blue / Blue
	White Orange / Orange
	White Green / Green
	White Brown /Brown

#### Insulation

Material	Polyethylene (PE)
Nominal Diameter	1.0 ±0.05 mm

#### Jacket

Material	UV resistant Polyvinyl Chloride (PVC UV)
Colour	Black

### Performance

Frequency MHz	Impedance Ω	Attenuation dB/100m	NEXT dB/100m	EL-FEXT dB/100m
4	100 ±15	4.1	56	52
10	100 ±15	6.5	50	44
16	100 ±15	8.2	47	40
20	100 ±15	9.2	46	38
31.25	100 ±15	11.7	43	34
62.5	100 ±15	17.0	38	28
100	100 ±15	22.0	35	24

### Electrical Properties

Single Conductor Resistance @ 20°C	$\leq 9.5 \Omega / 100 \text{ m}$
Pair DC Resistance Unbalance	$\leq 2.5 \%$
Insulation Resistance (20°C DC 500V/1min)	$\geq 5000 \text{ M}\Omega / \text{km}$
Dielectric strength between conductors	1kV
Mutual Capacitance	$\leq 56 \text{ pF /m}$
Velocity of propagation	62%

### Mechanical Properties

Conductor elongation rate at break	$\geq 15\%$
Insulation elongation rate at break	$\geq 300\%$
Jacket elongation rate at break	$\geq 125\%$