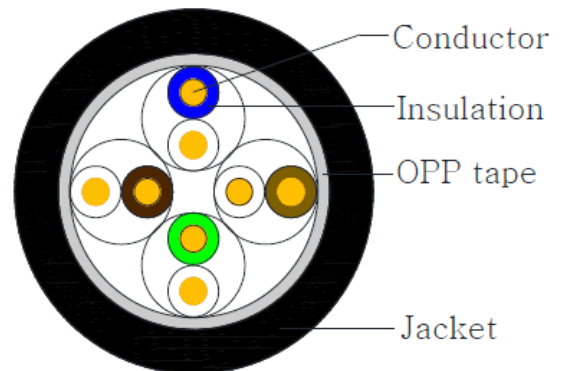


WIREspeed CABLE SOLID U/UTP CAT5e OUTDOOR PE - Black P-AIB00410

This cable consists of a solid unshielded twisted pair Cat5e outdoor cable with no screening (U/UTP).

It has a solid copper conductor with Polyethylene insulation, a clear polypropylene tape (OPP) and a Polyethylene outer jacket.



Description

Conductor

Material	Solid Bare Copper
Diameter	0.51 ±0.01 mm

Twisted Pairs

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

Insulation

Material	Polyethylene (PE)
Nom. Diameter	0.9 ±0.05 mm

Jacket

Material	Polyethylene (PE)
Colour	Black
Nom. Thickness	0.5 mm
Nom. Diameter	5.0 ±0.5 mm

Performance

Frequency MHz	Impedance Ω	Attenuation dB/100m	NEXT dB/100m	EL-FEXT dB/100m
4	100 ±15	4.1	56.3	52
8	100 ±15	5.8	51.8	45.9
10	100 ±15	6.5	50.3	44
16	100 ±15	8.2	47.3	39.9
25	100 ±15	10.4	44.3	36
31.25	100 ±15	11.7	42.9	34.1
62.5	100 ±15	17	38.4	28.1
100	100 ±15	22	35.3	24

Electrical Properties

Single Conductor Resistance	$\leq 95\Omega$ /km
Pair DC Unbalanced Resistance	$\leq 2.5 \%$
Insulation Resistance (20°C DC 500V/1min)	$\geq 5000 M\Omega$ /km
Dielectric strength between conductors	1kV /1min
Capacitance	$\leq 5.6nF$ /100m

Mechanical Properties

Conductor elongation rate at break	$\geq 10\%$
Insulation elongation rate at break	$\geq 300\%$
Jacket elongation rate at break	$\geq 300\%$