



Features & Benefits

- Suitable for outdoor usage
- Rodent proof and waterproof
- Suitable for Gigabit Ethernet
- Performance exceeding Category 6 specifications

Specification

AWG	23
Conductor Diameter	0.57+/- 0.01
Insulation (PE) Thickness	0.215
Insulation Diameter (mm)	1.00(+/-0.05) x 2C twist
PVC Jacket Diameter (mm)	6.5+/-0.15
PVC Jacket Colour	Grey (RAL-7044)
PE Jacket Diameter (mm)	8.5+/-0.2
PE Jacket Colour	Black
SWA Construction	0.9mm x 30+/-3
PE Outer Jacket Thickness (mm)	1.2
PE Outer Jacket Diameter (mm)	12.80
PE Outer Jacket Colour	Black
Max Conductor DC Resistance at 20°C	<81.6
Rated Temperature	60°C
Velocity Ratio	65%

Category 6 unshielded twisted pair cable is designed for use in next generation data communications networks, and will comfortably support all present applications including Gigabit Ethernet.

Connectix Category 6 UTP Solid Cable offers the performance characteristics required by the ever present Category 6 Standard. When used in conjunction with Connectix Category 6 Modules and Patch Panels the user will get a link performance exceeding Category 6 requirements.

Ordering Information

Product Description	Part Number
Cat 6 UTP PE Solid SWA Cable (Black)	001-003-005-70

Performance

Frequency (MHz)	RL min. (dB)	Att max. (dB/100M)	NEXT (dB)	ACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Impedance (Ohm)
1.000	22.60	1.82	67.00	65.00	66.00	63.00	100+/-15
4.000	23.10	2.10	65.00	63.00	63.80	60.8	
8.000	23.00	4.30	56.00	51.00	51.70	48.70	
16.000	24.50	5.80	51.80	45.00	45.70	42.70	
25.000	25.00	6.60	50.00	43.00	43.80	40.80	
31.250	25.00	8.20	47.00	37.00	39.70	36.70	
62.500	25.00	9.20	45.00	35.00	37.70	34.70	
100.000	24.20	10.23	44.30	32.00	35.80	32.80	
150.000	23.30	11.80	43.00	29.00	33.90	30.90	
200.000	20.70	17.10	38.00	19.00	27.80	24.80	
250.000	19.24	22.00	35.00	9.00	23.80	20.80	