Copper Cabling Solutions
Category 6 UTP Solid SWA Cable

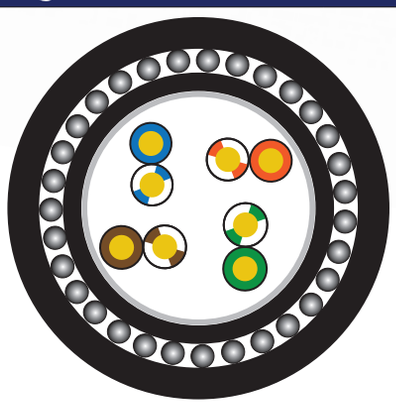
Connectix Cat 6 SWA UTP cable is designed for use in next generation data communications networks, and will comfortably support all present applications including Gigabit Ethernet. Connectix SWA UTP Solid Cable offers the performance characteristics required by the ever-present Category 6 Standard. When used in conjunction with Connectix category 6 Modules and Patch Panels the user will get a link performance exceeding category 6 requirements.

Features & Benefits

- Rodent proof and waterproof
- Suitable for direct burial
- Suitable for Gigabit Ethernet
- Performance exceeding Category 6 specifications
- 25 Year System Warranty Available



Diagram



1. Outer Sheath PE
2. Steel Wire Armour
3. Copper Core
4. Cross Member
5. Aluminium Foil
6. HOPE Insulation
7. High Density Polyethylene Instillation

Product Specifications

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	RAL-7044 (Grey)
PE Jacket Diameter (mm)	8.5+/-0.2
PE Jacket Colour	RAL-9004 (Black)
SWA Construction	0.9 mm 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 20ºC	<81.6
Rated Temperature	60ºC
Velocity Ratio	65%
Conforms to	ANSI/TIA-568-C, ISO11801, CENELEC EN 50173

Ordering Information

Description	Part Number
Cat 6 UTP SWA Cable	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	100+/-15
8.000	23.00	4.30	56.00	51.00	51.70	48.70	100+/-15
16.000	24.50	5.80	51.80	45.00	45.70	42.70	100+/-15
25.000	25.00	6.60	50.00	43.00	43.80	40.80	100+/-15
31.250	25.00	8.20	47.00	37.00	39.70	36.70	100+/-15
62.500	25.00	9.20	45.00	35.00	37.70	34.70	100+/-15
100.00	24.20	10.23	44.30	32.00	35.80	32.80	100+/-15
150.00	23.30	11.80	43.00	29.00	33.90	30.90	100+/-15
200.000	20.70	17.10	38.00	19.00	27.80	24.80	100+/-15
250.00	19.24	22.00	35.00	9.00	23.80	20.80	100+/-15

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