

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

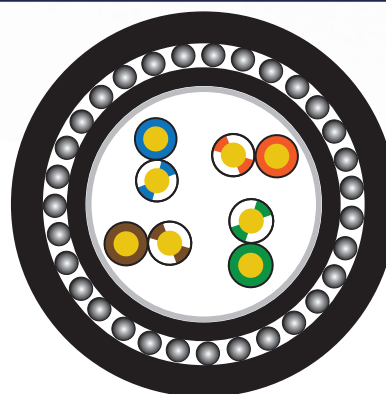
- Rodent proof and waterproof
- Suitable for direct burial
- Suitable for Gigabit Ethernet
- Performance exceeding Category 6 specifications
- 25 Year System Warranty Available

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 20°C	<81.6
Rated Temperature	60°C
Velocity Ratio	65%



Diagram



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

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