Solid SWA Cable

Features & Benefits

- Rodent proof and waterproof
- Suitable for direct burial
- Suitable for Gigabit Ethernet
- Performance exceeding Category 5e specifications

Specifications

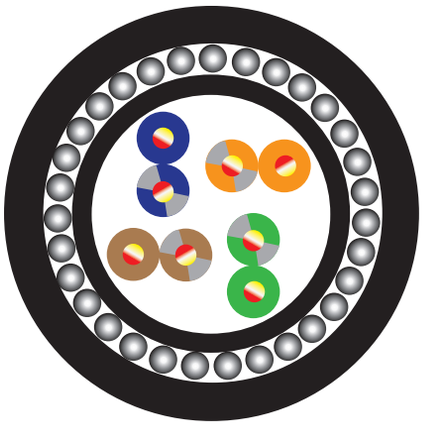
Conductor	Solid bare copper wire (24AWG) - 0.510 mm
Insulation	Polyethylene - 0.90 mm
No. Of Pairs	4
Armour	Data Guard Steel Wire Armour
Conductor Resistance	≤ 190 Ω/km
Resistance Unbalance	≤ 2%
Dielectric Strength	1kV during 1 min = no breakdown
Insulation Resistance (500V)	≥5000 MΩ/km
Capacitance Unbalance Real-ground	≤ 1600 pF/km
Characteristic Impedance at 100 MHz	100 ± 5Ω
Nominal Velocity	66%
Bending Radius - Installation	≥ 40 mm
Bending Radius - Installed	≥ 20 mm
Temperature Range - In Service	-20°C to +60°C
Temperature Range - At Installation	-0°C to +50°C
Temperature Range - Transport & Storage	-0°C to +50°C
Max Pulling Tension	80 N
Weight	29 kg/km

Ordering Information

Product Description	Part Number
Cat 5e UTP PE Solid SWA Cable (Black)	001-003-001-20

Connectix Enhanced Category 5 cable is designed for use in next generation data communications networks, and will comfortably support all present applications including Gigabit Ethernet.

Connectix Category 5e UTP Solid Cable offers the performance characteristics required by the ever-present Category 5e Standard. When used in conjunction with Connectix Category 5e Modules and Patch Panels the user will get a link performance exceeding Category 5e requirements.



Performance

Frequency (MHz) (dB/100m)	Max. Att (dB)	Min. NEXT (dB)	Min. ACR (dB)	PS Next (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB)	Return Loss
4	3.8	63	59.2	60	63	60	25
10	6	57	51	54	55	52	25
20	8.5	52	43.5	49	48	45	25
62.5	15.2	45	29.8	42	39	36	23.8
100	19.5	42	22.5	39	35	32	23
155	25	39	14	36	31	28	22
200	28	37	9	34	29	26	21

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