

CAT6 U/UTP OUTDOOR DOUBLE JACKET INSTALLATION CABLE

Zyxel Category 6 Outdoor Double Jacket cable is ideal for all sorts of outdoor locations. The cable gives protection from harsh environment conditions and rodent attacks through its unique double jacketed cable construction.

Performance of cable is tested up to 250 Mhz. The cable has Double sheath construction, UV Resistant Outer Sheath. Anti-rodent Outer jacket -Suitable for outdoor installation.

Application

Wireless Wi-Fi Networks

Data interface rates have increased from 1G Base-T to even 10G Base due to significant rise in the need for WiFi connectivity.

Local Area Network

Last mile connectivity is is still feasible solution for business even in FTTB environment.

Surveillance & PoE Application

Requirement for cabling systems have become more stringent due to emergence of Power over Ethernet (PoE) technology.

Specifications

Physical Characteristics	
Application	All types of outdoor application, Anti-Rodent.
Standards	ISO/IEC 11801 2nd ed.; IEC 61156-5 2nd ed.
Fire Rating	PVC : IEC 60332-1
Conductor	Annealed Bare copper wire \varnothing 0.50 mm \pm 0.015 mm
Insulation	PE
Twisting	Total 4 Pairs. 2 cores per pair
Screen	None
Inner Sheath	FR-PVC
Outer Sheath	UV Protection HDPE
Pair Colors	Blue – Blue/White, Orange – Orange/White Brown – Brown/White, Green – Green/White
Protection	High density double jacket for protection from harsh weather and rodents

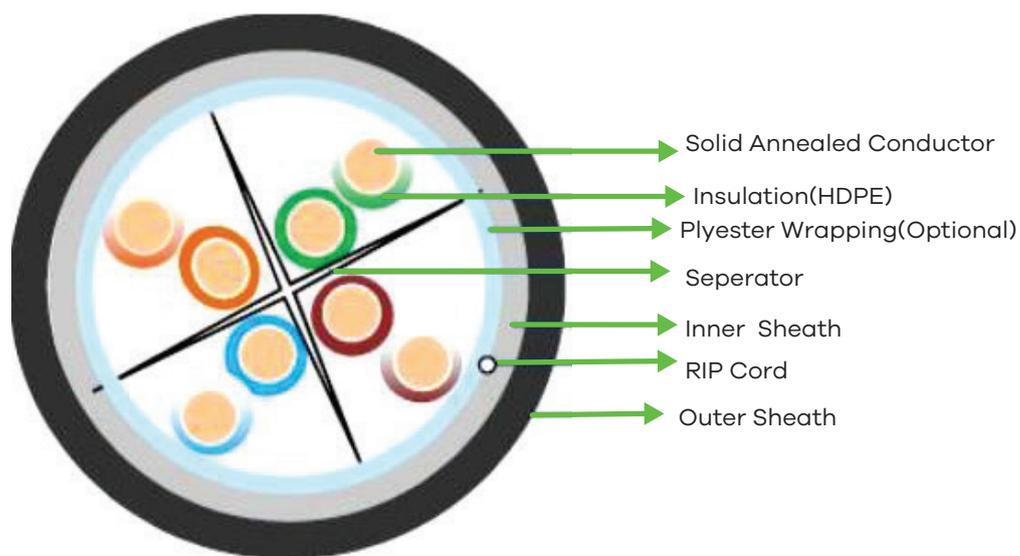
Generic Data	
Description & Length	Cable Cat 6 – 1000 Ft. / 305 Mtr
Cable Type	U/UTP
Conductor Diameter mm	0.50 \pm 0.015 mm.
Core Diameter mm/life	0.9 \pm 0.05 mm.
Shielding	None
Nominal Outer Diameter (mm)	5.7 \pm 0.30 mm.
Conductor Gauge	24 AWG
Pair Separator	PE Cross - Member(+) Separator

Electrical Specifications (20 \pm 3 ° C)	
Telecommunication Standards	ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E
Operating Frequency – Min.- Max.	250Mhz
Nominal Velocity of Propagation (NVP)	69%
Operating Voltage – Max.	90V
PoE Compliance	IEEE802.3af and IEEE 802.3at
Maximum Temperature Rating	Storage -20°C to +60°C. At the installation time: -20°C to 75°C. Operational Temperature: -20°C to 60°C
Dielectric Strength	2.5KV DC for 2 Seconds
Max. Resistance Unbalance	\leq 5%
Max. Conductor Resistance	9.8 Ω /100 m
Max. Mutual Capacitance	5.6 nF/100 m max.
Capacitance Unbalance (pair to ground)	330 pF/100 m max
Nominal Characteristic Impedance	(100 \pm 15) Ω / 100 MHz
Delay Skew	\leq 40 ns/100m
Bending Radius	\geq 4 X Cable Dia

Typical Transmission Performances

Frequency Mhz	Insertion Loss (dB/90m)	RL (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	ACRF (dB/100m)
1	2.1	19.0	65.0	63.3	580
4	4.0	19.0	63.0	51.2	562
8	5.7	19.0	58.2	45.2	557
10	6.3	19.0	56.6	43.3	555
16	8.0	18.0	53.2	39.2	553
20	9.0	17.5	51.6	37.2	552
25	10.1	17.0	50.0	35.3	551
31.25	11.4	16.5	48.4	33.4	550
62.5	16.5	14.0	43.4	27.3	549
100	21.3	12.0	39.9	23.3	548
200	31.5	9.0	34.8	17.2	547
250	35.9	8.0	33.1	15.3	546

Construction Of Cable



Product

Model

ZY60CCG4F0135J2

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