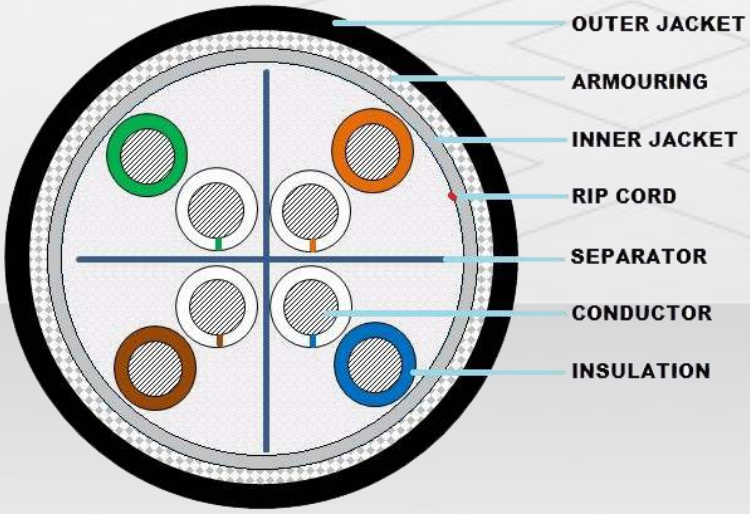
THINK SECURITY
THINK CP PLUS

CP PLUS

CP-EST-6TGA-305

Cat6 Armoured Cable

- Generally confirming to EIA/TIA 568-C.2 and IEC/ISO 11801
- Excellent Margin with suppression of Cross Talk (NEXT)
- For Outdoor Installation
- 4 Pair Separator Design
- 23 AWG cable



CAT 6 UTP ARMOURED CABLE

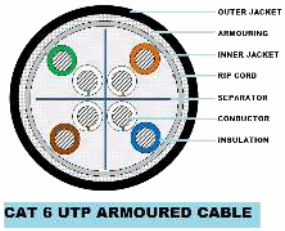
System Overview

For a speedy and easy transmission of data, digital and analog voice and video (RGB) signals on LANs, CP PLUS offers efficiently performing cables that provide an enhanced experience. Designed for applications that are installed in occasional flexing and fixed locations. This cable has been created to strengthen the transmission power of data in your surveillance solution.

Functions

Weather Care

The outer jacket in this cable is made of the most robust PVC to provide a supplemented life potential to the cable and also to safeguard it against the calamities of weather.



CAT 6 UTP ARMOURED CABLE

CP-EST-6TGA-305

Cat6 Armoured Cable

Functions

Solid Bare Copper Conductor

The use of a bare copper conductor in energy transmission installations to maximizes thermal and electrical conductivity, and to transmit energy with optimal efficiency.

Increased Protection

The superior quality of the insulator used in this cable provides greater prevention against the electromagnetic force emitting from the current.

Renewed Capacity

The current carrying capacity of a cable is directly proportion-ate to its diameter. Keeping that in mind, this cable has been designed to carry a bigger amount of voltage.

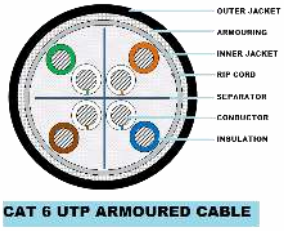
Heavily Braided with HDPE Insulation

HDPE, or high-density polyethylene, is an excellent material as a direct replacement for distribution insulators of all types. HDPE is much lighter than its porcelain counterparts and almost impervious to the cracking so common to porcelain.

About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



CAT 6 UTP ARMOURED CABLE

CP-EST-6TGA-305

Cat6 Armoured Cable

Feature	Specification
Conduct Type	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	23 AWG (0.555 ± 0.015mm)
Insulation	Polyethylene (HDPE)
No. of Pair	4 Pair Twisted Together
Pairing	Twisted into Two core
Color of Inner Jacket	Natural
Inner Jacket	PVC
Outer Jacket	LD
Color of Sheath	Black
Approximate OD	9.30 ± 0.50mm
Armour	Aluminium (0.6mm)
Cross Filler	HDPE
Sequential Marking	At Every Meter
Resistance Unbalance	5% Max
Conductor Resistance	93.5Ω/1000 Mtr@20°C Max
Mutual Capacitance	5.6nf/100Mtr. Max
Packing	305 Mtrs
Temperature Rating	-20 to +60°C
Installation Temperature	0 to +50°C
Storage Temperature	-20 to +75°C
NVP	69%
Impedance	100±15% Ω
Worst Cable Skew	45ns/ 100mtr.

HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	ATTN (dB/100m) max.	NEXT (dB) min.	PSNEXT (dB) min.	ACRF (dB @ 100 m) min.	PSACRF (dB @ 100 m) min	Return Loss (dB/100m)
1	2.1	65	62	63	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

LOW FREQUENCY ELECTRICAL PARAMETER

- Conductor Resistance (DC): 93.8 OHMS/1000MTR@20 Degree C. Max
- Resistance Unbalance: 5% Max
- Mutual Capacitance: 5.6 nF/100 mtrs Max
- Capacitance to 1 kHz 50±5nf/km (max.)
- Capacitance Unbalance Pair/Ground: 330PF/100M Max
- Propagation Delay Skew: 536 nS/100M
- Normal Velocity of Propagation: 69%
- Impedance: 100±15%Ohms
- Worst Case cable skew : 45ns/100m