



## Product Description

DME PROLINK CAT6 Elevator Cables provides overall electrical control with long suspension length and mechanical stress. Elevator cable consist of steel strength member which enables for long-range suspension application. DME PROLINK CAT 6 Elevator cable is one of its kind cable which mainly facilitates applications like CCTV surveillance in Elevators. DME PROLINK's Category 6 U/UTP elevator cables are manufactured and tested to the TIA/EIA 568.2-D, EN50173-1 and ISO/ IEC 11801-1 Category 6 specifications. *DME PROLINK's* Category 6 U/UTP cable is designed for optimal support of High-Speed data protocols delivering 1 Gbps performance to the workstation. Each cable consists of 8 colour coded High Density polyethylene (HDPE) insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. *DME PROLINK's* CAT6 Elevator cable is designed for quick and easy installation where no special tools are required. CAT6 Unscreened Elevator cable is supplied in Drums.

## Features & Benefits

- Performance exceeding Category 6 specifications of 250MHz
- Performance compliance to ISO/IEC 11801-1 and ANSI/TIA-568.2-D
- FR-PVC sheath
- 25 Years System Warranty

## Supporting Applications

- 10G BASE-T (Length <30m)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-T (IEEE 802.3)
- 100BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 10BASE-T (IEEE 802.3)

## Construction

CAT6 UTP Cable	
Conductor Material / Stranding	Stranded Bare Copper 7 x 0.20mm
Conductor Diameter	0.6 ± 0.05mm
Insulation Material / Outer Diameter	HDPE / 1.0 ± 0.05mm
Color Code	Pair1 : Brown & White with brown strip Pair2 : Blue & White with blue strip Pair3 : Green & White with green strip Pair4 : Orange & White with orange strip
Separator	No
Cable Jacket / Diameter	FR-PVC (Soft) / 5.5 ± 0.2mm
Strength Wire	
Steel Wire Material / Stranding / Diameter	2 Nos. Galvanized Steel Stranded Wires / 7 x 0.43mm / 1.29 ± 0.05mm
Outer Jacket	
Material / Dimensions	FR-PVC (Soft) 13.3 ± 0.2mm (Length) 8.4 ± 0.2mm (Width Max) 3.8 ± 0.2mm (Width Min)
Sheath Color	Grey

## Technical Assistance

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**www.dmeprolink.com**

**Mechanical, Electrical & Environmental Characteristics**

Rated temperature	75°C
Bend radius	20 x D
Operating temperature range:	-15 to +75°C
Jacket Tensile Strength before aging	10.0 N/mm <sup>2</sup>
Jacket Elongation before aging	≥ 300%
Characteristic Impedance @ 20 ± 5 °C (CAT6)	100 Ω/km ±15%
Conductor Resistance@ 20 ± 5 °C (CAT6)	≤ 98.3 Ω/km
Voltage (Pair to Pair)	150V
Voltage (Pair to Outer Jacket)	300V
Free Suspension Length	100m
Travelling Height	200m
Running Speed	Nom. 4m/s, Max. 8m/s
Recommended Loop Diameter	10D (84mm)
Acceleration	<1.2m/s
Fire Rating	PVC: EN 60332-1-2
RoHS Compliant	Compliant Directive 2011/65/EU

**Part Number**

**D95-ECC6UU3FPGY** Flat Elevator Cable, CAT6 with 2 Galvanized Steel Stranded Wire, U/UTP, 300m, FR-PVC Sheath, Grey