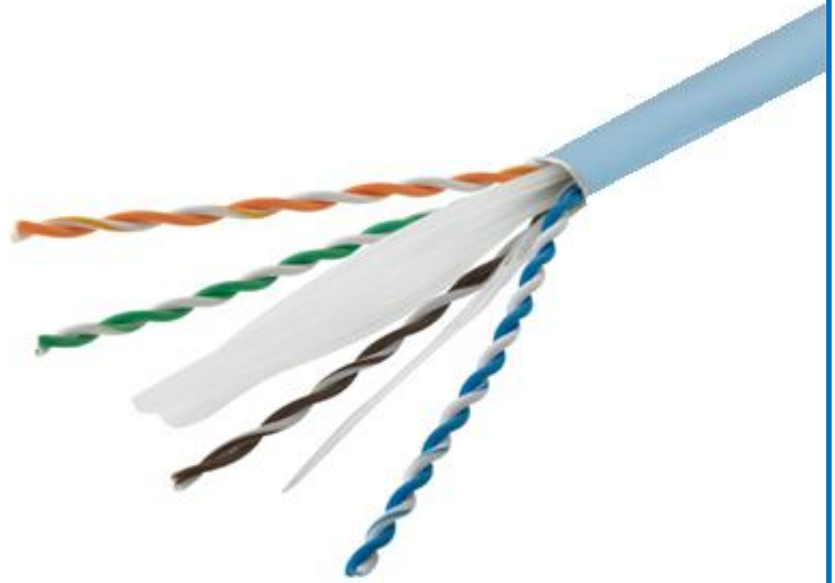


## Horizontal Cable Category 6A U/UTP



D018x-UU1sc

TECHNICAL DATA

### Description

DME PROLINK's CAT6A U/UTP cable guarantees Category 6A performance ensuring maximum network speed, data throughput and efficiency. DME PROLINK's CAT6A U/UTP cable supports below applications

- ✓ 10Base-T (IEEE 802.3)
- ✓ 4/16 Mbps Token Ring (IEEE 802.5)
- ✓ 100BASE-VG-AnyLAN
- ✓ 100 Mbps TP-PMD (ANSI X3T9.5)
- ✓ 100Base-T (IEEE 802.3)
- ✓ 55/155 Mbps ATM
- ✓ 1000Base-T (Gigabit Ethernet)
- ✓ 1.2 Gbps ATM
- ✓ 10G Base-T

### Other Characteristics

Storage Temperature: -20°C to 70°C  
Operating Temperature: -20°C to 70°C  
Laying Temperature: -5°C to +50°C

### Features & Benefits

- ✓ Performance exceeding Category 6A specifications of 500MHz
- ✓ Performance compliance to ISO/IEC 11801
- ✓ Third-Party Certified UL/ETL
- ✓ Fire-rated to IEC 60332-1-2
- ✓ Covered by the DME PROLINK Warranty Program
- ✓ Conductor: AWG 23, Solid Bare Annealed Copper
- ✓ Tinned copper Drain wire

### Standards

DME PROLINK's CAT6A U/UTP cable complies to the following standards:

- ISO/IEC 11801
- EN 50288-10-1
- EN 50173
- IEC 61156-5
- IEC 60332-1-2
- EN 60332-1-2
- IEC 60754-2



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# Horizontal Cable Category 6A U/UTP

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TECHNICAL DATA

Category	U/UTP CAT6A-4P-LSZH							
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019							
Conductor	Material	Solid-Bare Copper						
	Nom.O.D.(mm)	0.570	up +0.005 down -0.005					
Insulation	Material	HDPE						
	Diameter	1.03±0.03mm						
Sheath	Thickness	0.65±0.05 mm (Avg.)		Technical Performance (100m):				
	External O.D.	6.9±0.4 mm		Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean,Frap,Satiation		1	20.0	2.1	74.3	570.0
	Material	LSZH (complies RoHS)		4.0	23.0	3.8	65.3	552.0
	Color	According to the requires		8.0	24.5	5.3	60.8	546.7
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	5.9	59.3	545.4
	Color	Black		16.0	25.0	7.5	56.2	543.0
	Print error & Space	≤±0.5%, 1m		20.0	25.0	8.4	54.8	542.1
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		25.0	24.3	9.4	53.3	541.2
	3 White-Green /Green	4 White- Brown /Brown		31.25	23.6	10.5	51.9	540.4
Packing	Wooden Tray & Carton			62.5	21.5	15.0	47.4	538.6
Carton dimension	40.5*40.5*21cm			100	20.1	19.1	44.3	537.6
	Packing length	305±1.5m		200	18.0	27.6	39.8	536.5
Rip-cord	Yes	Drain wire	NO	250	17.3	31.1	38.3	536.3
				300	16.8	34.3	37.1	536.1
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0		500	15.2	45.3	33.8	535.6
	Elongation(%)	≥125		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Aging Period (°C×hrs)	100°C×24h×7d		1	72.3	67.8	64.8	
	After Aging Tensile Strength(Mpa)	≥8.0		4	63.3	55.8	52.8	
	Elongation(%)	≥100		8	48.8	49.7	46.7	
Electrical Characteristics (20°C)	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks			10	57.3	47.8	44.8	
	1.0-500.0MHz Delay Shew (ns/100m)	≤45		16	54.2	43.7	40.7	
	NVP	69		20	52.8	41.8	38.8	
	DC Resistance (Ω/100m) max	9.5		25	41.3	39.8	36.8	
	DC Conductor Resistance Unbalance (%) max	5.0		31.25	49.9	37.9	34.9	

Note: The fire retardant of the outer sheath should be comply with national standard.



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## Horizontal Cable

### Category 6A U/UTP

<b>D</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>x</b>	<b>-</b>	<b>U</b>	<b>U</b>	<b>I</b>	<b>s</b>	<b>c</b>
<b>x</b>				<b>Pin assigned by ECS</b>						
0-9				Inventory Management Index						
<b>T</b>				<b>Shielding</b>						
UU				U/UTP						
<b>l</b>				<b>Length</b>						
5				500m						
10				1000m						
<b>s</b>				<b>Sheath Construction</b>						
PV				PVC						
LS				LSZH						
PE				Outdoor (PE Sheath)						
<b>c</b>				<b>Sheath Color</b>						
WT				White						
GY				Light Grey						
GR				Green						
BK				Black						

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TECHNICAL DATA



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TECHNICAL DATA

**Web Site:** [www.ecsglobalwire.com](http://www.ecsglobalwire.com)

**Corporate Head Office:** 3135 - 6900 Graybar Road, Richmond, BC V6W 0A5, Canada • Phone: +1(604)276-9913 Fax: +1(604)276-9915. For a listing of all ECS Global Wire & Cable's Sales Office locations, please refer to our web site.

**Middle East Office:** Jebel Ali Free Zone (South), Dubai, United Arab Emirates • Phone: +971 (4) 811 8000 Fax: +971 (4) 8809360. Enquires to [datacomm@ecsglobalwire.com](mailto:datacomm@ecsglobalwire.com).

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