

CAT3 Multicore Backbone Cable U/UTP

D015x-prsc



TECHNICAL DATA

Description

DME PROLINK's Category 3 Multicore Backbone cable guarantee's Category-3 performance ensuring maximum Data-throughput and efficiency.

DME PROLINK's CAT3 cable is available in 500m & 1000m reels and has Flame Retardant characteristics with reference to BS4066.

Features & Benefits

- ✓ Performance exceeding Category-3 specifications of 16MHz
- ✓ Solid annealed tinned copper conductor
- ✓ Insulated conductors uniformly twisted together to form a pair.
- ✓ Performance compliance to ISO/IEC 11801 and ANSI/TIA/EIA-568C.2



Technical Assistance
Middle East - +971 (4) 8118000
www.ecsglobalwire.com



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Cable	U/UTP 25 pairs cable - category 3 - 16MHz - LSZH Sheath							
Category	U/UTP CAT3-25P-LSZH							
Test Standard	ISO/IEC11801,TIA-568-C.2, EN 50173 YD/T1019							
1.Conductor	Material	SOLID-Bare Copper						
	Nom. O.D. (mm)	0.500	Up +0.005mm Down -0.005mm					
2.Insulation	Material	HDPE						
	Diameter	0.87±0.03mm						
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-G. Br./Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn. Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn./ Pur.-Gn. Br./ Pur.-Br. Gr./ Pur.-Gr.			Technical Performance (100m):				
				Frequency				
3.Rip-cord	Yes	Drain wire	No	RL	ATT	NEXT	DELAY	
				(MHz)	≥dB	≤dB	≥dB	≤ns
				1	12.0	2.6	41.3	570.00
				4.0	12.0	5.6	32.3	552.00
				8.0	12.0	8.5	27.8	546.73
4.Shielded	Polyester			10.0	12.0	9.7	26.3	545.38
				16.0	9.95	13.1	23.3	543.00
	5.Sheath	Thickness	1.0±0.4 mm		Frequency			
		External O.D.	11.5±0.8mm		PSNEXT			
		Surface	Clean, Frap, Satiation		ELFEXT			
Material		LSZH (complies RoHS)		PSELFEXT				
Surface Printing	Color	Multiple		(MHz)	≥dB	≥dB	≥dB	
	Letter height	3.0±0.3mm		1	41.3	39.0	39.0	
	Color	Black		4	32.3	26.9	26.9	
	Print error & Space	≤±1%, 1m		8	27.8	20.9	20.9	
	10	26.3	19.0	19.0				
Packing	Drum			16	23.3	14.9	14.9	
Packing length	300m±1.5m/500±2.0m			1.0-16.0MHz, Characteristic Impedance (Ω) 100±15				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	1.0-16.0MHz, Delay Shew 20°C(ns/100m) ≤45				
		Elongation (%)	≥125					
	Aging Period (°C×hrs)	100°C×24h×7d						
	After Aging	Tensile Strength (Mpa)	≥8.0					
		Elongation (%)	≥100					
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h)		No visible cracks					
	DC Resistance 20°C (Ω/100m) max		9.5					
	DC Conductor Resistance Unbalance (%)max		5					
	Mutual Capacitance (1 kHz) Max		6.6nF/100m					
	Velocity of Propagation (NVP) :		65%					
Insulation Resistance: 5000 MegaOhm·Km min. @ 500 Vdc								

Note: Structure is 3P+9P+13P, the pairs in three layers.



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U/UTP

D	0	1	5	x	-	p	r	s	c
x		Pin assigned by ECS							
0-9		Inventory Management Index							
p				Pairs					
10				10 Pairs					
25				25 Pairs					
50				50 Pairs					
100				100 Pairs					
r				Reel Length					
5				500m					
10				1000m					
s				Sheath Construction					
PV				PVC					
LS				LSZH					
c				Sheath Color					
GY				Grey					
BK				Black					
OR				Orange					
BU				Blue					

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