



U/UTP 4 pairs cable - category 6 - LSZH Sheath

Sheath Printing	Q18-766 EMELEC VIASCOM 4P 23AWG UTP CAT6 FRLSZH Gigacom									
CPR Certification	Dca s1, d1, a2									
Category	U/UTP CAT6-4P-LSZH									
Reference Standard	ISO/IEC11801, TIA -568-C.2									
1. Conductor	Material	SOLID-Bare Copper								
	Nom. O.D. (mm)	0.550±0.05mm								
2. Insulation	Material	HDPE								
	Diameter	0.98±0.05mm								
Color	A.Blue, White-Blue	B.Orange,White-Orange			Technical Performance (100m):					
	C.Green,White-Green	D.Brown, White-Brown			Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
3. Rip-cord	Yes	Drain wire	N/A		1	20.0	2.03	74.3	570.00	
4. Shielded	N/A				4.0	23.0	3.78	65.3	552.00	
5. Sheath	Thickness	0.55±0.05 mm			8.0	24.5	5.32	60.8	546.73	
	External O.D.	6.1±0.4 mm			10.0	25.0	5.95	59.3	545.38	
	Surface	Clean,Frap,Satiation			16.0	25.0	7.55	56.2	543.00	
	Material	LSZH (complies RoHS)			20.0	25.0	8.47	54.8	542.05	
	Color	White			25.0	24.3	9.51	53.3	541.20	
					31.25	23.6	10.67	51.9	540.44	
Surface Printing	Letter height	3.0±0.3mm			62.5	21.5	15.38	47.7	538.55	
	Color	Black			100	20.1	19.80	44.3	537.60	
	Print error & Space	≤±0.5%, 1m			200	18.0	28.98	39.8	536.54	
				250	17.3	32.85	38.3	536.27		
Packing	Wooden Spool				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Spool dimension	According to the requires				1	72.3	67.8	64.8		
Packing length	305±1.5m				4	63.3	55.8	52.8		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		8	58.8	49.7	46.7		
		Elongation (%)	≥125		10	57.3	47.8	44.8		
	Aging Period (°C×hrs)	100°C×24h×7d			16	54.2	43.7	40.7		
	After Aging	Tensile Strength (Mpa)	≥8.0		20	52.8	41.8	38.8		
		Elongation (%)	≥100		25	51.3	39.8	36.8		
					31.25	49.9	37.9	34.9		
				62.5	45.4	31.9	28.9			
				100	42.3	27.8	24.8			
				200	37.8	21.8	18.8			
				250	36.3	19.8	16.8			
Electrical Characteristics (20°C)	1.0-250.0MHz, Characteristic impedance (Ω)		100±15							
	DC Conductor Resistance Unbalance (%)max		5.0							
	1.0-250.0MHz, Delay Skew 20°C(ns/100m)		≤45							
	DC Resistance (Ω/100m) max		9.5							

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