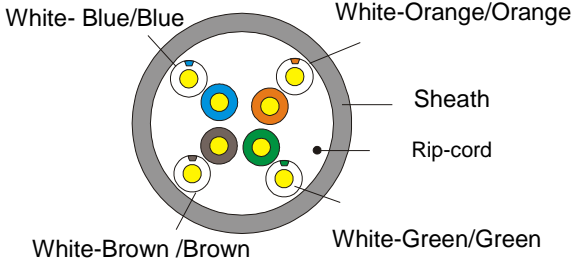


U/UTP 4Pairs cable-category5E-CMP/CMR PVC Sheath

Content of the Data Sheet

Sheath Printing	DIVISION FARRAN59-Z CMP/CMR (UL) 4PR 24AWG 75°C U/UTP CAT5E VERIFIED TO ANSI/TIA-568-C.2 PVC ****m MM/YYYY				
Customer No.		Customer Reference			
Category	U/UTP CAT5E-4P-PVC-CMP/CMR				
Reference Standard	ISO/IEC11801、ANSI/TIA-568-C.2				
Conductor	Material	Solid-Bare copper			
	Content	99.95%			
Conductor	Nom.O.D.(mm)	0.500	up	+0.005	
			down	-0.005	
Insulation	Material	FEP			
	Density	2.12 to 2.17g/cm ³			
Sheath	Diameter	0.85±0.05mm			
	Thickness	0.43±0.05 mm			
	External O.D.	4.7±0.4mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC (complies RoHS),CMP/CMR			
		Density	1.61±0.05 g/cm ³		
		Hardness	54±3 Shore D		
Color	Blue RAL5012、White RAL9003				
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White- Green /Green	4 White- Brown /Brown			
Packing	Wooden Tray & Carton				
Carton dimension	According to the requires				
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	No		
	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150				
Sheath Physical Properties	Aging Period(°Cxhrs) 100°C×24h×10d				
	After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125				
	Cold bend(-20±2°Cx4h) 8xCable O.D., No visible cracks				
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15			
	1.0-100.0MHz Delay Skew (ns/100m)	≤45			
	DC Resistance (Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance(%) max	5.0			
Acceptance criterion:FLUKE Permanent link test≤90m					
Ambient temperature: -10°C - +75°C			Operating Voltage: 80V		

FLUKE Technical Performance:

Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)
1	≥19.0	≤2.1	≥60.0	≤521
4.0	≥19.0	≤3.9	≥54.8	≤504
8.0	≥19.0	≤5.5	≥50.0	≤500
10.0	≥19.0	≤6.2	≥48.5	≤498
16.0	≥19.0	≤7.9	≥45.2	≤496
20.0	≥19.0	≤8.9	≥43.7	≤495
25.0	≥18.0	≤10.0	≥42.1	≤495
31.25	≥17.1	≤11.2	≥40.5	≤494
62.5	≥14.1	≤16.2	≥35.7	≤492
100	≥12.0	≤21.0	≥32.3	≤491

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	≥57.0	≥58.6	≥55.6
4	≥51.8	≥46.6	≥43.6
8	≥47.0	≥40.6	≥37.5
10	≥45.5	≥38.6	≥35.6
16	≥42.2	≥34.5	≥31.5
20	≥40.7	≥32.6	≥29.6
25	≥39.1	≥30.7	≥27.7
31.25	≥37.5	≥28.7	≥25.7
62.5	≥32.7	≥22.7	≥19.7
100	≥29.3	≥18.6	≥15.6