


Sheath Printing	Per Request			
Category	UTP-ZST CAT 3-10P-PE			
Test Standard	ISO/IEC 11801, TIA-568-C.2 YD/T1019			
1. Conductor	Material	SOLID- Bare Copper		
	Nom. O.D.(mm)	0.500	UP	+0.01mm
			DOWN	-0.01mm
2. Insulation	Material	HDPE		
	Diameter	1.07±0.05mm		
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./ Re.-Br. Gr./ Re.-Gr.			
3. Rip-Cord	Yes	Drain Wire	NO	
4. Shielded	Polyester Tape			
5. Sheath	Thickness	1.0±0.2 mm		
	External O.D.	9.2 ±1.0 mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE(complies RoHS)		
	Color	Black		
Surface printing	Color	White		
	Print error and space	≤±0.5%, 1m		
	Letter Height	3.0±0.3mm		
Packing	Drum in Carton			
Packing length	1000±5.0m			
Sheath Physical properties	Before aging tensile strength (Mpa)	≥10.0		
	Elongation (%)	≥350		
	Aging period (°C×hrs)	100°C×24h×7d		
	After aging Elongation (%)	≥300		
	Cold bend (-20±2°C×4h) 8×Cable O.D. °C	No visible crack		
Electrical Characteristics	1.0-16.0MHz Delay Skew 20°C (ns/100m)	≤45		
	1.0-16.0MHz Characteristic impedance (Ω)	100±15		
	DC Resistance 20°C(Ω/100m)max	9.5		
	DC conductor resistance unbalance (%) max	5.0		



Technical Performance (100m):				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤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
10.0	12.0	9.7	26.3	545.38
16.0	9.95	13.1	23.3	543.00

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	41.3	39.0	39.0
4	32.3	26.9	26.9
8	27.8	20.9	20.9
10	26.3	19.0	19.0
16	23.3	14.9	14.9

Part No.	Description
114-30210	CAT. 3 TELEPHONE CABLE 10 PAIR OUTDOOR JELLY FILLED BLACK 1M