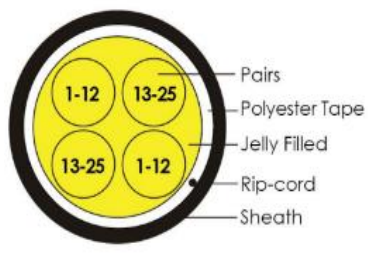




Sheath Printing	Per Request		
Category	UTP-ZST CAT 3-50P-PE		
Test Standard	ISO/IEC 11801, TIA-568-C.2 YD/T1019		
1. Conductor	Material	SOLID- Bare Copper	
	Nom. O.D.(mm)	0.500	UP +0.01mm DOWN -0.01mm
2. Insulation	Material	HDPE	
	Diameter	1.07±0.05mm	
Color	Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./ Re.-Br. Gr./ Re.-Gr. 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.		
3. Rip-Cord	Yes	Drain Wire	NO
4. Shielded	Polyester Tape		
5. Sheath	Thickness	1.1±0.4 mm	
	External O.D.	17.6 ±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×10d	
	After aging Elongation (%)	≥300	
Electrical Characteristics	Cold bend (-20±2°C×4h) 8×Cable O.D. °C	No visible crack	
	DC Resistance 20°C(Ω/100m)max	9.5	
	DC conductor resistance unbalance (%) max	5.0	
	1.0-16.0MHz Delay Skew 20°C (ns/100m)	≤45	
1.0-16.0MHz Characteristic impedance (Ω)	100±15		



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
114-30250	CAT. 3 TELEPHONE CABLE 50 PAIR OUTDOOR JELLY FILLED BLACK 1M