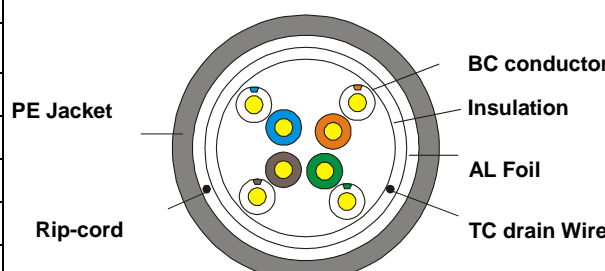


FTP 4 pairs cable – category ETL – PE /PVC

Date	Color	Cable Type	Xcom Internal	Version	Revision Declaration
2019-01-148	Grey/Black	FTP Cat5E 24AWG	30161/30325	A0	
Content of the Data Sheet					
Sheath Printing	It will be printed as customer's requirement with batch produce.				
Category	FTP CAT5e-4P-PE/PVC(350MHz)				
Test Standard	ISO/IEC11801、TIA- 568C.2、 YD/T1019				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.500	Up	+0.005	
			Down	-0.005	
2. Insulation	Material	HDPE			
	Diameter	1.00±0.03mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
3. Rip-cord	Yes	Drain wire	0.4mmTC		
4. Shielded	AL Foil				
5. Sheath	Thickness	0.55±0.05 mm			
	External O.D.	6.2±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE(complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5%, 1m			
Packing	Pull Box , Carton				
Carton dimension	---				
Packing length	305±1.5m				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		
		Elongation (%)	≥350		
	After Aging	Elongation (%)	≥300		
	Agging Period (°C×hrs)	100°C×24h×10d			
	Cold bend (-20±2°C×4h)	No visible cracks			
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)	≤45			
	Capacitance unbalance to earth (pf/100m) max	330			
	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	20.0	3.3	65.3	570.00	
4.0	23.0	6.4	56.3	552.00	
8.0	24.5	8.7	51.8	546.73	
10.0	25.0	9.6	50.3	545.38	
16.0	25.0	12.3	47.2	543.00	
20.0	25.0	13.6	45.8	542.05	
25.0	24.3	15.2	44.3	541.20	
31.25	23.6	17.1	42.9	540.44	
62.5	21.5	24.8	38.4	538.55	
100	20.1	32.0	35.3	537.60	
*250	15.6	52.44	29.0	536.3	
*350	14.3	63.13	27.1	535.9	
Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)		
1	62.3	64.0	61.0		
4	53.3	52.0	49.0		
8	48.8	45.9	42.9		
10	47.3	44.0	41.0		
16	44.4	39.9	36.9		
20	42.8	38.0	35.0		
25	41.3	35.8	33.0		
31.25	39.9	34.1	31.1		
62.5	35.4	28.1	25.1		
100	32.3	24.0	21.0		
*250	26.0	16.0	13.0		
*350	24.1	13.1	10.1		
Remarks: * are the reference values					