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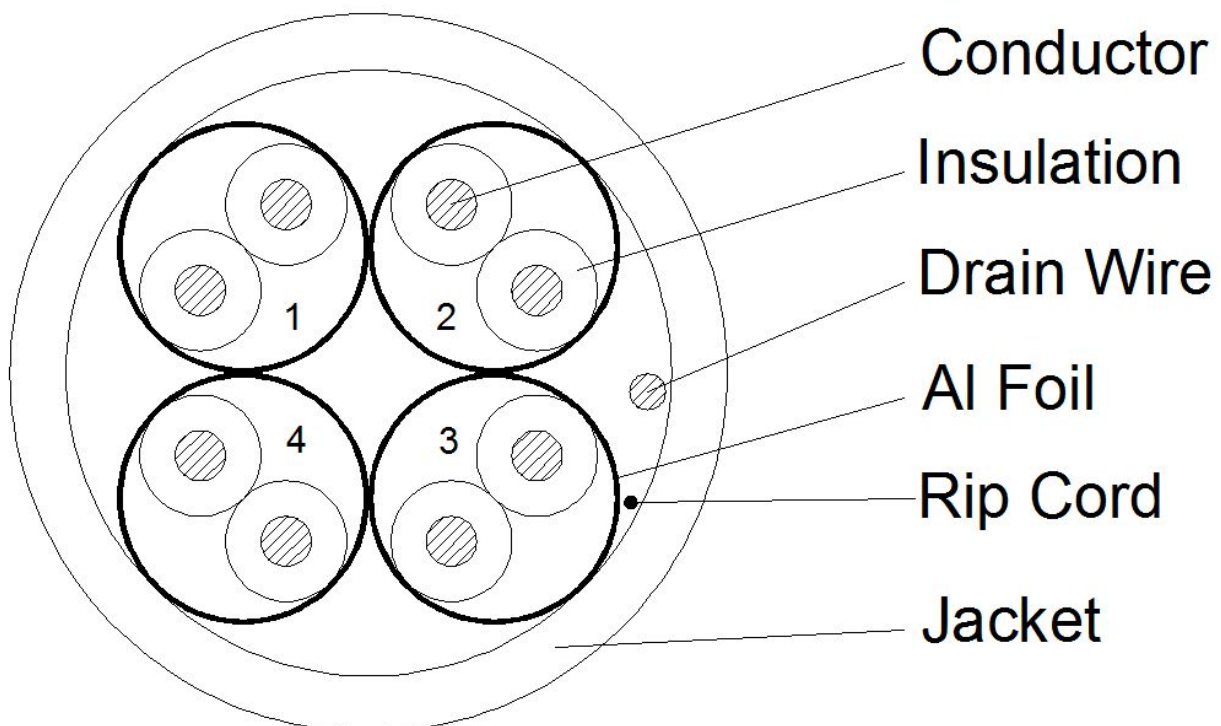
Datasheet

Stock No. 113-5910

RS PRO 4 pairs U/FTP Cat7a black LSZH 100M



Cross Section



Marking	Performance				
CAT 7A U/FTP SOLID LAN CABLE 4PR 22AWG LSZH ISO/IEC 11801 & IEC61156 001M--100M	Electrical Characteristics:				
Description	Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)
Application Horizontal Wiring in LAN	1	2.1	78.0	75.0	20
Reference Standard IEC61156- & ISO/IEC 11801	4	3.7	78.0	75.0	23
	10	5.8	78.0	75.0	25
	16	7.3	78.0	75.0	25
	31.25	10.3	78.0	75.0	23.6
	62.5	14.6	78.0	75.0	21.5
	100	18.5	75.4	72.4	20.1
	250	29.7	69.4	66.4	17.3
	300	32.7	68.2	65.2	17.3
	400	38.0	66.4	63.4	17.3
	550	45	64.3	61.3	17.3
	600	47.1	63.7	60.7	17.3
	650	49.2	63.2	60.2	17.3
	750	53.1	62.3	59.3	17.3
	800	54.9	61.9	58.9	17.3
	900	58.5	61.1	58.1	17.3
	1000	61.9	60.4	57.4	17.3
	Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
	1	78.0	75.0		
	4	78.0	75.0		
	10	75.3	72.3		
	16	71.2	68.2		
	31.25	65.4	61.4		
	62.5	59.4	56.4		
	100	55.3	52.3		
	250	47.3	44.3		
	300	45.8	42.8		
	400	43.3	40.3		
	550	40.5	37.5		
	600	39.7	36.7		
	650	39.0	36.0		
	750	37.8	34.8		
	800	37.2	34.2		
	900	36.2	33.2		
	1000	35.3	32.3		
	Impedance			1~300MHZ	100+/-15
				300~1000MHZ	100+/-25
	Max. Conductor DC Resistance 20°C (ohms/km)				69.2
Construction					
Conductor	Solid Bare Copper				
Conductor Dia. (±0.008mm)	1/0.60				
Insulation	FMPE				
Average Thickness(mm)	0.41				
Insulation Dia.(±0.05mm)	1.42				
Twisted	2C				
AL foil(Each Pair)	YES				
Assembly	4P				
Drain wire	Tinned Copper				
Conductor Dia. (mm)	1/0.40				
Jacket	LSZH				
Average Thickness(±0.05mm)	0.52				
Min. Point Thickness(mm)	0.46				
Outer Dia.(±0.3mm)	7.8				
Rip Cord	YES				
Color					
Insulation colors are:					
1.White-Blue					
2.White-Orange					
3.White-Green					
4.White-Brown					
Jacket colors:					
Black					

