

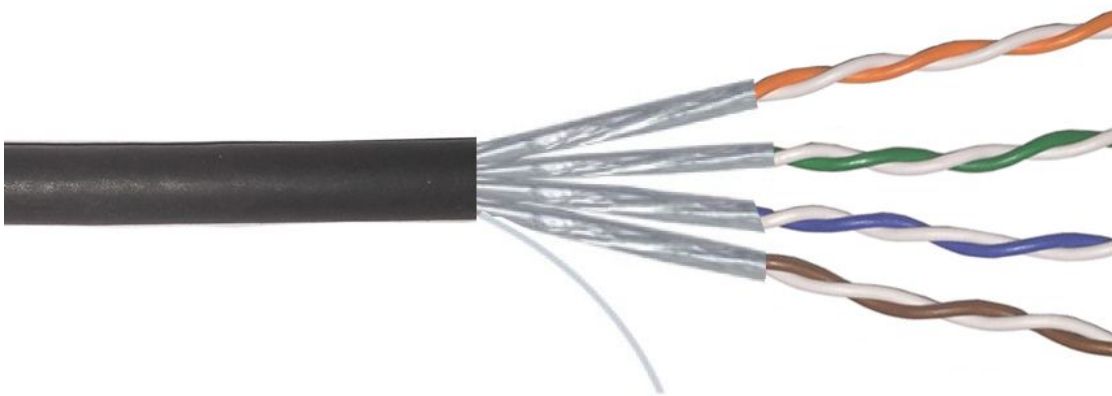


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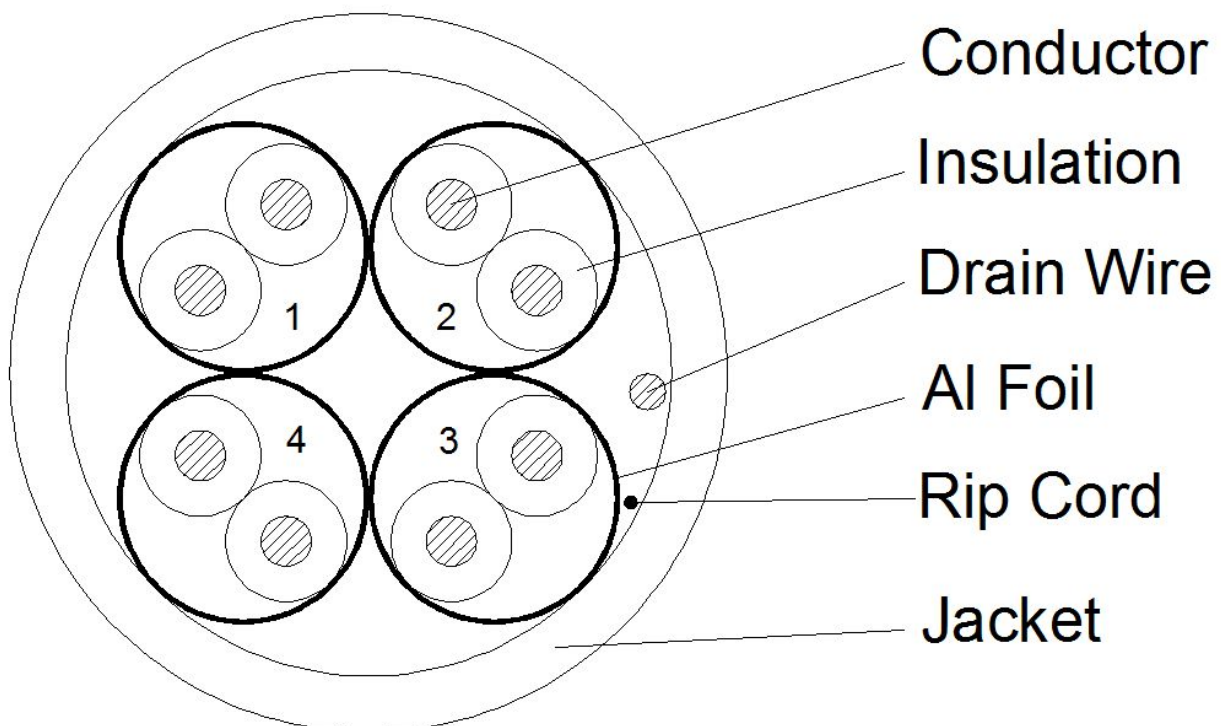
Datasheet

Stock No. 113-5909

**RS PRO 4 pairs U/FTP Cat7a black PVC 100M**



### Cross Section



Marking	Performance				
CAT 7A U/FTP SOLID LAN CABLE 4PR 22AWG PVC ISO/IEC 11801 & IEC61156 001M--100M	<b>Electrical Characteristics:</b>				
Description	Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)
<b>Application</b> Horizontal Wiring in LAN	1	2.1	78.0	75.0	20
<b>Reference Standard</b> IEC61156- & ISO/IEC 11801	4	3.7	78.0	75.0	23
<b>Construction</b>	10	5.8	78.0	75.0	25
<b>Conductor</b> Solid Bare Copper	16	7.3	78.0	75.0	25
Conductor Dia. (±0.008mm)	31.25	10.3	78.0	75.0	23.6
<b>Insulation</b> FMPE	62.5	14.6	78.0	75.0	21.5
Average Thickness(mm)	100	18.5	75.4	72.4	20.1
Insulation Dia.(±0.05mm)	250	29.7	69.4	66.4	17.3
Twisted	300	32.7	68.2	65.2	17.3
<b>AL foil(Each Pair)</b> YES	400	38.0	66.4	63.4	17.3
Assembly	550	45	64.3	61.3	17.3
<b>Drain wire</b> Tinned Copper	600	47.1	63.7	60.7	17.3
Conductor Dia. (mm)	650	49.2	63.2	60.2	17.3
<b>Jacket</b> PVC	750	53.1	62.3	59.3	17.3
Average Thickness(±0.05mm)	800	54.9	61.9	58.9	17.3
Min. Point Thickness(mm)	900	58.5	61.1	58.1	17.3
Outer Dia.(±0.3mm)	1000	61.9	60.4	57.4	17.3
Rip Cord					
	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
Color					
<b>Insulation colors are:</b>					
1.White-Blue					
2.White-Orange					
3.White-Green					
4.White-Brown					
<b>Jacket colors:</b>					
Black					