

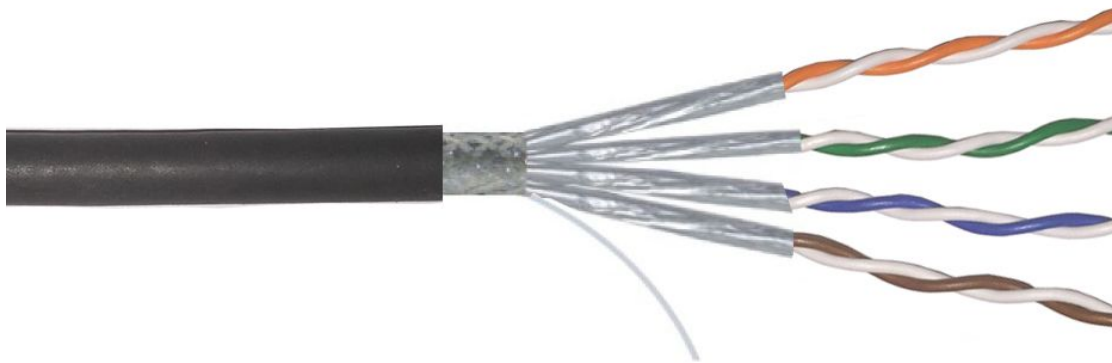


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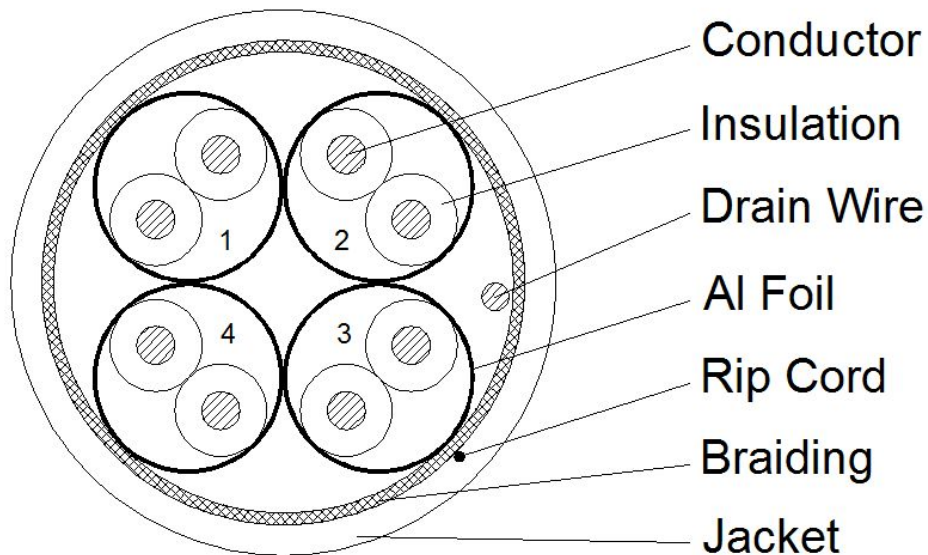
Datasheet

Stock No. 113-5911

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



Cross Section



Marking		Performance				
CAT 7A S/FTP SOLID LAN CABLE 4PR 22AWG PVC ISO/IEC 11801 & IEC61156 001M-100M		Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)
<b>Description</b>		1	2.1	78.0	75.0	20
<b>Application</b> Horizontal Wiring in LAN		4	3.7	78.0	75.0	23
<b>Reference Standard</b> IEC61156-5 & ISO/IEC 11801		10	5.8	78.0	75.0	25
<b>Construction</b>		16	7.3	78.0	75.0	25
<b>Conductor</b>	<b>Solid Bare Copper</b>	31.25	10.3	78.0	75.0	23.6
AWG	22	62.5	14.6	78.0	75.0	21.5
Conductor Dia. (±0.008mm)	1/0.60	100	18.5	75.4	72.4	20.1
<b>Insulation</b>	<b>FMPE</b>	250	29.7	69.4	66.4	17.3
Average Thickness(mm)	0.41	300	32.7	68.2	65.2	17.3
Insulation Dia.(±0.05mm)	1.42	400	38.0	66.4	63.4	17.3
Twisted	2C	550	45	64.3	61.3	17.3
<b>AL-PET(each pair)</b>	YES	600	47.1	63.7	60.7	17.3
Assembly	4P	650	49.2	63.2	60.2	17.3
<b>Drain wire</b>	<b>Tinned Copper</b>	750	53.1	62.3	59.3	17.3
Conductor Dia. (mm)	1/0.40	800	54.9	61.9	58.9	17.3
<b>Braid</b>	<b>Tinned Copper</b>	900	58.5	61.1	58.1	17.3
Structure	16/8/0.10	1000	61.9	60.4	57.4	17.3
Coverage(%)	>=65	Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
<b>Jacket</b>	<b>PVC</b>	1	78.0	75.0		
Average Thickness(mm)	0.52	4	78.0	75.0		
Min. Point Thickness(mm)	0.46	10	75.3	72.3		
Outer Dia.(±0.3mm)	8.0	16	71.2	68.2		
Rip Cord	YES	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
<b>Color</b>						
<b>Insulation colors are:</b>						
1.White-Blue						
2.White-Orange						
3.White-Green						
4.White-Brown						
<b>Jacket colors:</b>						
Black						