



ENGLISH

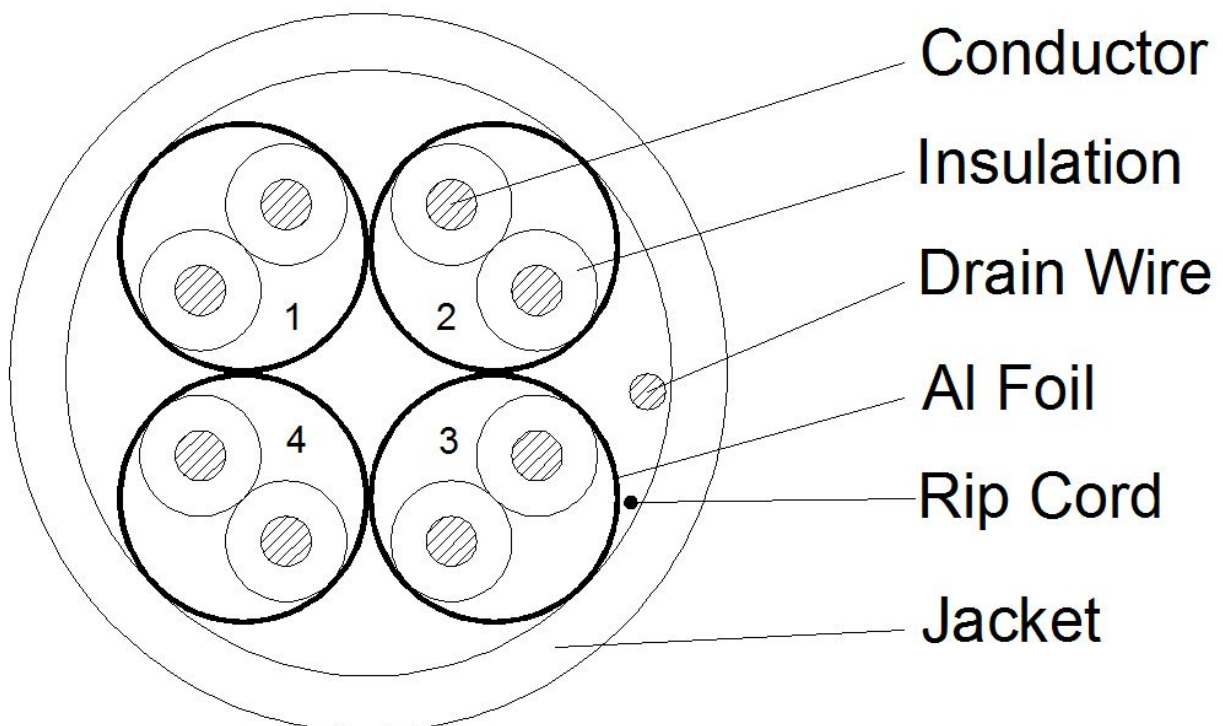
Datasheet

Stock No. 113-5913

**RS PRO 4 pairs U/FTP Cat7a grey LSZH 100M**



### Cross Section



Marking		Performance				
CAT 7A U/FTP SOLID LAN CABLE 4PR 22AWG LSZH ISO/IEC 11801 & IEC61156 001M--100M		<b>Electrical Characteristics:</b>				
<b>Description</b>		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>	<b>Solid Bare Copper</b>	16	7.3	78.0	75.0	25
Conductor Dia. (±0.008mm)	1/0.60	31.25	10.3	78.0	75.0	23.6
<b>Insulation</b>	<b>FMPE</b>	62.5	14.6	78.0	75.0	21.5
Average Thickness(mm)	0.41	100	18.5	75.4	72.4	20.1
Insulation Dia.(±0.05mm)	1.42	250	29.7	69.4	66.4	17.3
Twisted	2C	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	4P	550	45	64.3	61.3	17.3
<b>Drain wire</b>	<b>Tinned Copper</b>	600	47.1	63.7	60.7	17.3
Conductor Dia. (mm)	1/0.40	650	49.2	63.2	60.2	17.3
<b>Jacket</b>	<b>LSZH</b>	750	53.1	62.3	59.3	17.3
Average Thickness(±0.05mm)	0.52	800	54.9	61.9	58.9	17.3
Min. Point Thickness(mm)	0.46	900	58.5	61.1	58.1	17.3
Outer Dia.(±0.3mm)	7.8	1000	61.9	60.4	57.4	17.3
Rip Cord	YES	Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
<b>Color</b>		1	78.0	75.0		
<b>Insulation colors are:</b>		4	78.0	75.0		
1.White-Blue		10	75.3	72.3		
2.White-Orange		16	71.2	68.2		
3.White-Green		31.25	65.4	61.4		
4.White-Brown		62.5	59.4	56.4		
<b>Jacket colors:</b>		100	55.3	52.3		
Grey (RAL7035)		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			1~250MHZ	100+/-15
					300~1000MHZ	100+/-25

