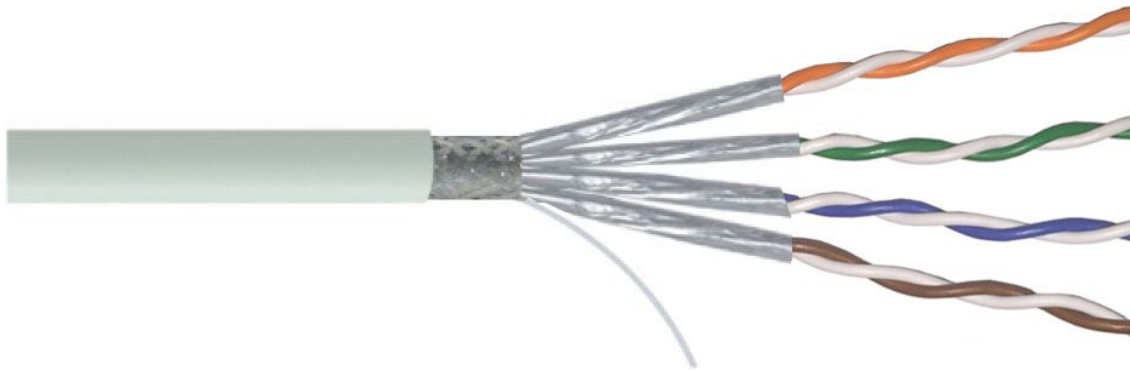


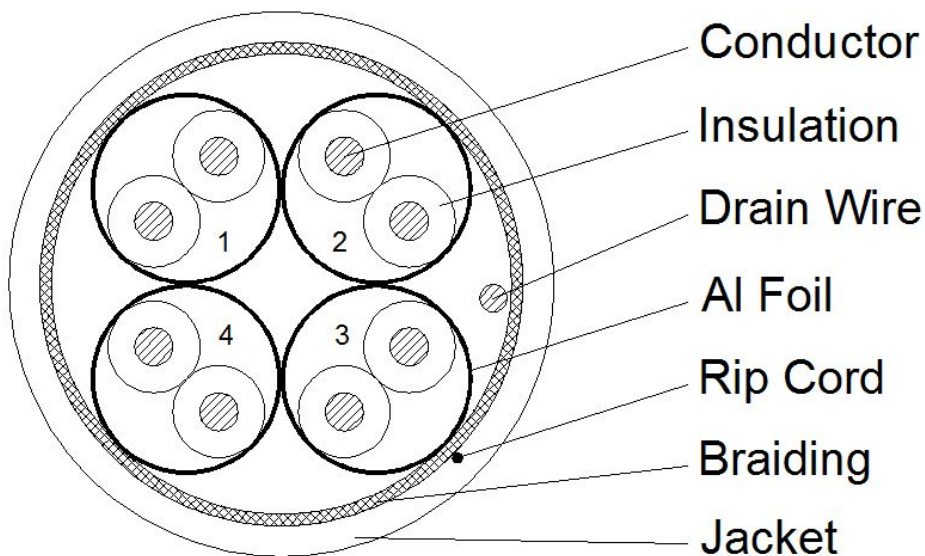


ENGLISH

Datasheet  
Stock No. 113-5902  
RS PRO 4 pairs S/FTP Cat6a grey PVC 100M



Cross Section



Marking		Performance				
CAT 6A S/FTP SOLID LAN CABLE 4PR 23AWG PVC 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	2.0	74.3	72.3	20
<b>Reference Standard</b> IEC61156-5 & ISO/IEC 11801		4	3.7	65.3	63.3	23
<b>Construction</b>		10	5.9	59.3	57.3	25
<b>Conductor</b>	<b>Solid Bare Copper</b>	16	7.4	56.2	54.2	25
AWG	23	20	8.3	54.8	52.8	25
Conductor Dia. (±0.008mm)	1/0.56	31.25	10.4	51.9	49.9	23.6
<b>Insulation</b>	<b>FMPE</b>	62.5	14.9	47.4	45.4	21.5
Average Thickness(mm)	0.395	100	19.0	44.3	42.3	20.1
Insulation Dia.(±0.05mm)	1.35	200	27.5	39.8	37.8	18
Twisted	2C	250	31.0	38.3	36.3	17.3
<b>AL-PET(each pair)</b>	YES	300	34.2	37.1	34.1	17.3
Assembly	4P	500	45.3	33.8	30.8	17.3
<b>Drain wire</b>	<b>Tinned Copper</b>	Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
Conductor Dia. (mm)	1/0.40	1	67.8	64.8		
<b>Braid</b>	<b>Tinned Copper</b>	4	55.8	52.8		
Structure	16/8/0.10	10	47.8	44.8		
Coverage(%)	>=65	16	43.7	40.7		
<b>Jacket</b>	<b>PVC</b>	20	41.8	38.8		
Average Thickness(mm)	0.52	31.25	37.9	34.9		
Min. Point Thickness(mm)	0.46	62.5	31.9	28.9		
Outer Dia.(±0.3mm)	8.0	100	27.8	24.8		
Rip Cord	YES	200	21.8	18.8		
		250	19.8	16.8		
		300	18.3	15.3		
		500	13.8	10.8		
<b>Color</b>		Impedance			1~300MHZ	100+/-15
<b>Insulation colors are:</b>					300~500MHZ	100+/-22
1.White-Blue		Max. Conductor DC Resistance 20°C (ohms/km)				78.1
2.White-Orange						
3.White-Green						
4.White-Brown						
<b>Jacket colors:</b>						
Grey (RAL7035)						