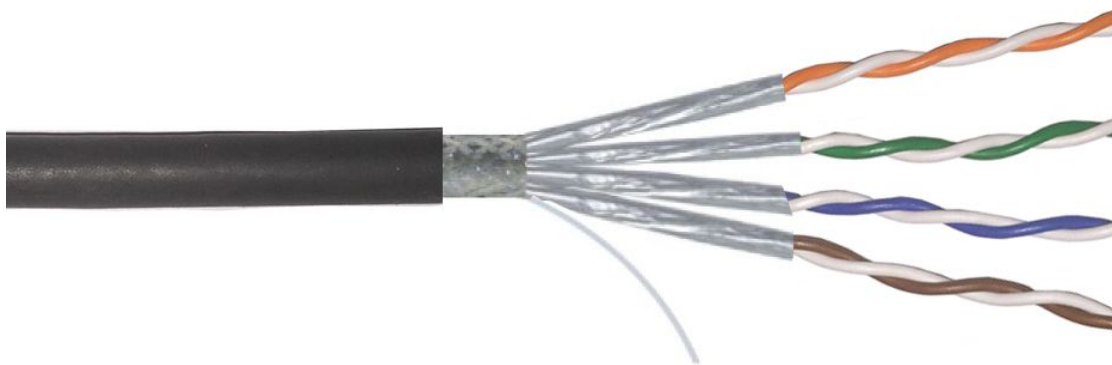


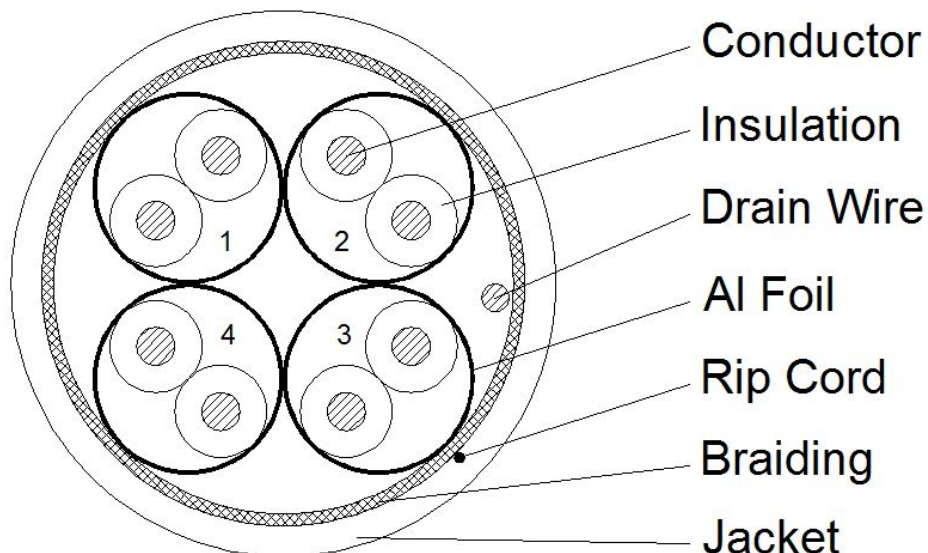


ENGLISH

Datasheet
Stock No. 113-5905
RS PRO 4 pairs S/FTP Cat7 black PVC 100M



Cross Section



Marking		Performance				
CAT 7 S/FTP SOLID LAN CABLE 4PR 23AWG PVC 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	2.0	78.0	75.0	20
Reference Standard IEC61156-5 & ISO/IEC 11801		4	3.7	78.0	75.0	23
Construction		10	5.9	78.0	75.0	25
Conductor	Solid Bare Copper	16	7.5	78.0	75.0	25
AWG	23	20	8.4	78.0	75.0	25
Conductor Dia. (±0.008mm)	1/0.56	31.25	10.4	78.0	75.0	23.6
Insulation	FMPE	62.5	14.9	75.5	72.5	21.5
Average Thickness(mm)	0.395	100	19.1	72.4	69.4	20.1
Insulation Dia.(±0.05mm)	1.35	200	27.6	67.9	64.9	18
Twisted	2C	250	31.0	66.5	63.5	17.3
AL-PET(each pair)	YES	300	34.2	65.3	62.3	17.3
Assembly	4P	400	40.0	63.4	60.4	17.3
Drain wire	Tinned Copper	500	45.3	61.9	58.9	17.3
Conductor Dia. (mm)	1/0.40	600	50.1	60.8	57.8	17.3
Braid	Tinned Copper	Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)		
Structure	16/8/0.10	1	78.0	75.0		
Coverage(%)	>=65	4	78.0	75.0		
Jacket	PVC	10	74.0	71.0		
Average Thickness(mm)	0.52	16	69.9	66.9		
Min. Point Thickness(mm)	0.46	20	68.0	65.0		
Outer Dia.(±0.3mm)	8.0	31.25	64.1	61.1		
Rip Cord	YES	62.5	58.1	55.1		
Color		100	54.0	51.0		
Insulation colors are:		200	48.0	45.0		
1.White-Blue		250	46.0	43.0		
2.White-Orange		300	44.5	41.5		
3.White-Green		400	42.0	39.0		
4.White-Brown		500	40.0	37.0		
Jacket colors:		600	38.4	35.4		
Black		Impedance		1~100MHZ	100+/-15	
				100~600MHZ	100+/-25	
		Max. Conductor DC Resistance 20°C (ohms/km)			78.1	