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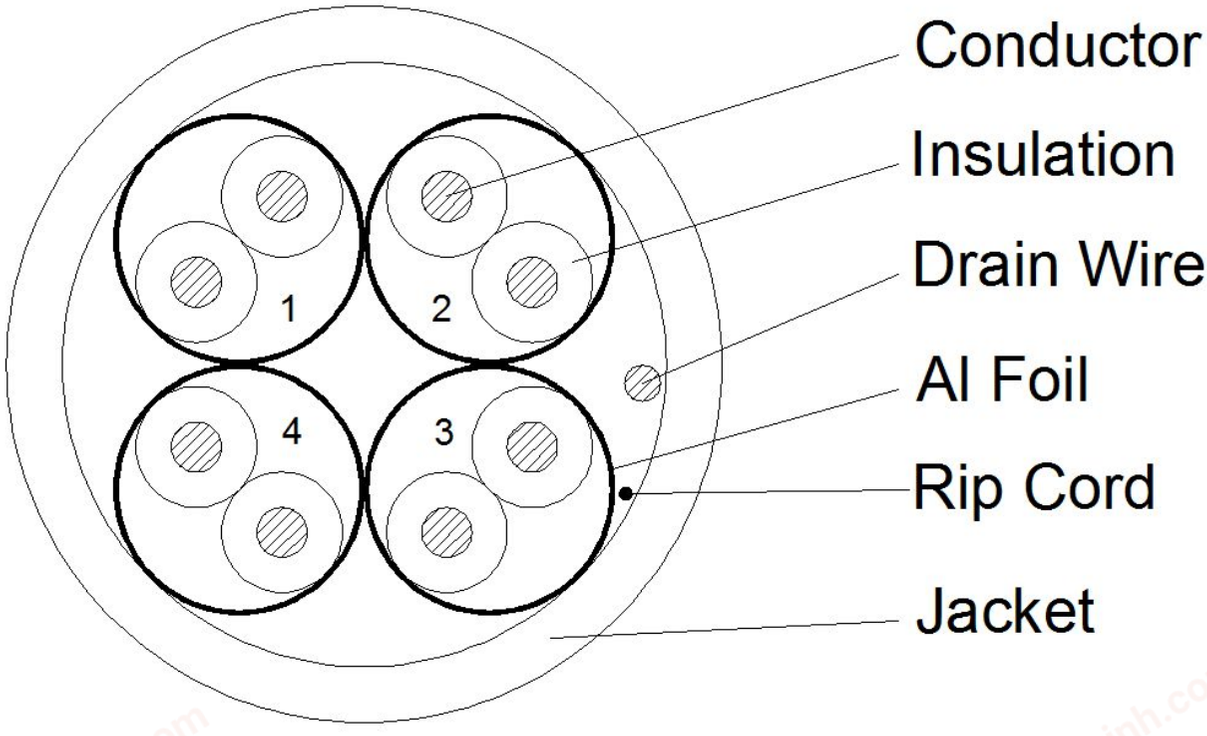
Datasheet

Stock No. 113-5909

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



Cross Section



06/05/2016

Marking

CAT 7A U/FTP SOLID LAN CABLE 4PR 22AWG PVC
ISO/IEC 11801 & IEC61156 001M--100M

Description

Application
Horizontal Wiring in LAN
Reference Standard
IEC61156- & ISO/IEC 11801

Construction

Conductor	**Solid Bare Copper**
Conductor Dia. (±0.008mm)	1/0.60
Insulation	**FMPE**
Average Thickness(mm)	0.41
Insulation Dia.(±0.05mm)	1.42
Twisted	2C
AL foil(Each Pair)	YES
Assembly	4P
Drain wire	**Tinned Copper**
Conductor Dia. (mm)	1/0.40
Jacket	**PVC**
Average Thickness(±0.05mm)	0.52
Min. Point Thickness(mm)	0.46
Outer Dia.(±0.3mm)	7.8
Rip Cord	YES

Color

Insulation colors are:
1.White-Blue
2.White-Orange
3.White-Green
4.White-Brown
Jacket colors:
Black

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)
1	2.1	78.0	75.0	20
4	3.7	78.0	75.0	23
10	5.8	78.0	75.0	25
16	7.3	78.0	75.0	25
31.25	10.3	78.0	75.0	23.6
62.5	14.6	78.0	75.0	21.5
100	18.5	75.4	72.4	20.1
250	29.7	69.4	66.4	17.3
300	32.7	68.2	65.2	17.3
400	38.0	66.4	63.4	17.3
550	45	64.3	61.3	17.3
600	47.1	63.7	60.7	17.3
650	49.2	63.2	60.2	17.3
750	53.1	62.3	59.3	17.3
800	54.9	61.9	58.9	17.3
900	58.5	61.1	58.1	17.3
1000	61.9	60.4	57.4	17.3

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

06/05/2016

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