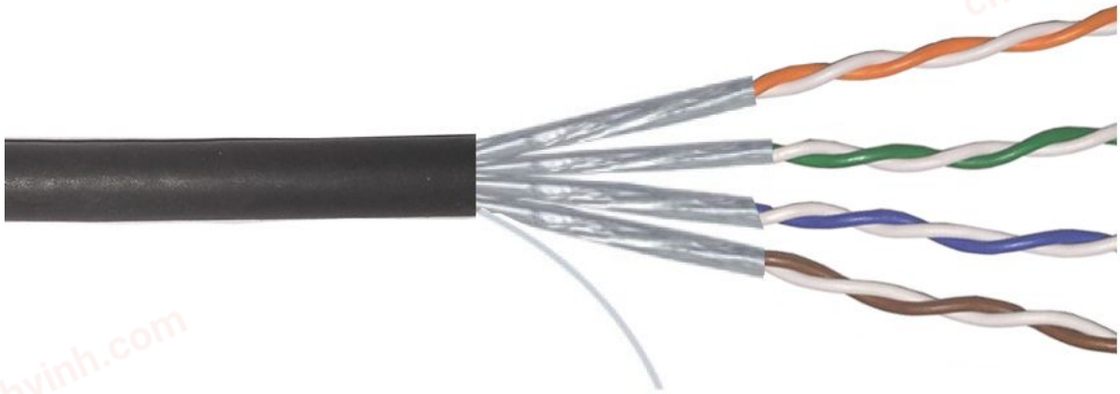
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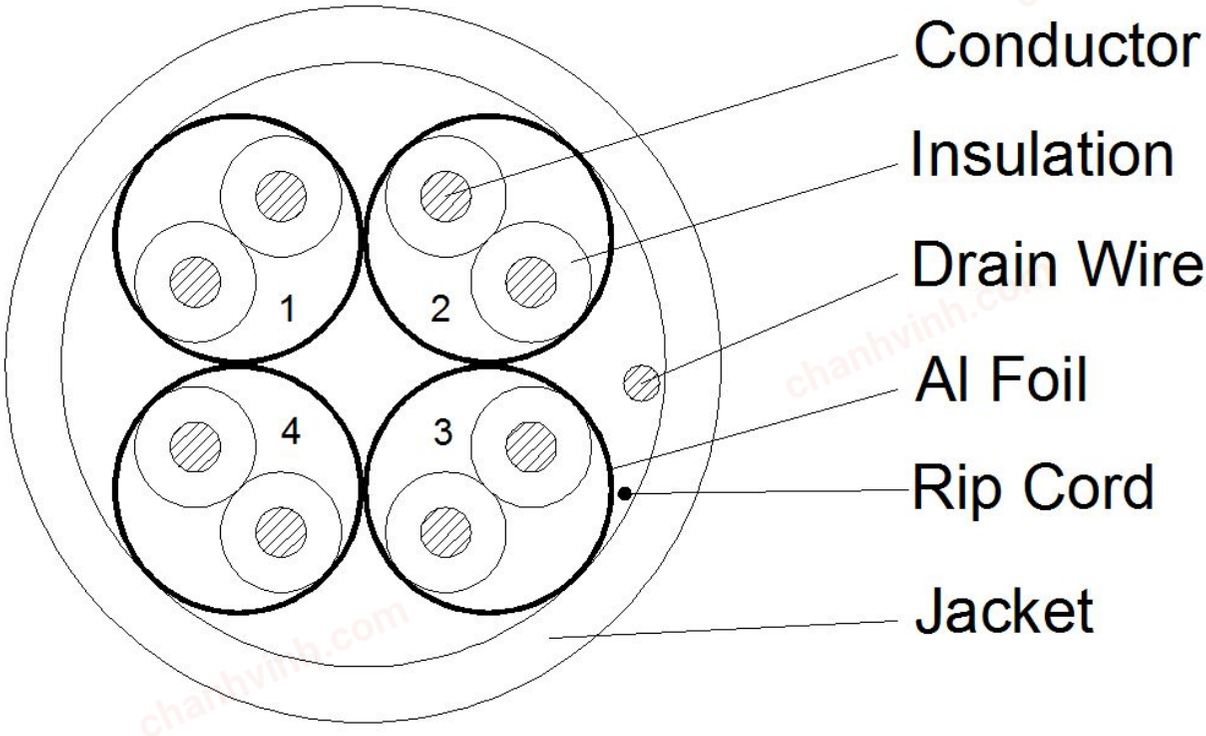
Datasheet

Stock No. 113-5904

RS PRO 4 pairs U/FTP Cat7 black LSZH 100M



Cross Section



06/05/2016

Marking

CAT 7 U/FTP SOLID LAN CABLE 4PR 23AWG LSZH
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)	1/0.56
Insulation	**FMPE**
Average Thickness(mm)	0.395
Insulation Dia.(±0.05mm)	1.35
Twisted	2C
AL foil(Each Pair)	YES
Assembly	4P
Drain wire	**Tinned Copper**
Conductor Dia. (mm)	1/0.40
Jacket	**LSZH**
Average Thickness(±0.05mm)	0.52
Min. Point Thickness(mm)	0.46
Outer Dia.(±0.3mm)	7.5
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	2.0	78.0	75.0	20
4	3.7	78.0	75.0	23
10	5.9	78.0	75.0	25
16	7.5	78.0	75.0	25
20	8.4	78.0	75.0	25
31.25	10.4	78.0	75.0	23.6
62.5	14.9	75.5	72.5	21.5
100	19.1	72.4	69.4	20.1
200	27.6	67.9	64.9	18
250	31.0	66.5	63.5	17.3
300	34.2	65.3	62.3	17.3
400	40.0	63.4	60.4	17.3
500	45.3	61.9	58.9	17.3
600	50.1	60.8	57.8	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	78.0	75.0
4	78.0	75.0
10	74.0	71.0
16	69.9	66.9
20	68.0	65.0
31.25	64.1	61.1
62.5	58.1	55.1
100	54.0	51.0
200	48.0	45.0
250	46.0	43.0
300	44.5	41.5
400	42.0	39.0
500	40.0	37.0
600	38.4	35.4

Impedance	1~100MHZ	100+/-15
	100~600MHZ	100+/-25
Max. Conductor DC Resistance 20°C (ohms/km)		78.1

06/05/2016