



Datasheet

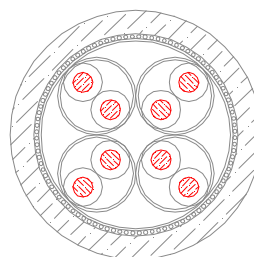
ENGLISH

#2248 - S-FTP Cat 7A LSZH (1200 MHz) 100m reel

Part NO: #2248
Product Code: S-FTP Cat 7A LSZH (1200 MHz)
Product Description
Application:
 Horizontal Wiring in LAN
Reference Standard
 IEC61156-5-2009
Multi-construction
 4 Pair
Cable Construction

Conductor	Solid Bare Copper
Construction	0.62±0.01
Standard Dia.(mm)	0.62
Insulation	Skin-Foam-Skin
Average Thickness	0.4
Insulation Dia.(mm)	1.45±0.1×2C Twist
Each Pair is Twisted ,Unshielded.	
Al-Pet shield(on each pair,Al-side out)	≥115%
Braiding Shield	
Construction	0.12±0.003×8×6
Jacket	LSZH
Thickness(mm)	0.7
Dia.(mm)	8.2±0.3
Jacket Color	Blue
Color	
Insulation color are:	
Blue, White/Blue	
Orange, White/Orange	
Green, White/Green	
Brown, White/Brown	
Marking	
Category 7A #2248 S-FTP 22 AWG 4 Pair 70C 1200MHZ LSZH [MeterMark]	
PACKAGING	
100M/Wooden Drum	

Design



Characteristics

Max.Conductor DC Resistance at 20°C (Ω /Km)	<66.6
Rated Temperature(°C)	70
Velocity ratio	78%
Impedance(Ω)	1-100MHz 100±15
	100-250MHz 100±20
	250-500MHz 100±25
	500-1000MHz 100±30
	1000-1200MHz 100±32

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PS NEXT (dB)	Return loss (dB)
1.00	2.10	78.00	75.00	20.00
4.00	3.70	78.00	75.00	23.00
10.00	5.80	78.00	75.00	25.00
16.00	7.30	78.00	75.00	25.00
31.25	10.30	78.00	75.00	23.60
62.50	14.60	78.00	75.00	21.50
100.00	18.50	75.40	72.40	20.10
250.00	29.70	69.40	66.40	17.30
500.00	42.80	64.90	61.90	17.30
600.00	47.10	63.70	60.70	17.30
900.00	58.50	61.10	58.10	15.50
1000.00	61.90	60.40	57.40	15.10
1200.00	68.40	59.20	56.20	14.30

Frequency (MHz)	ELFEXT (dB)	PSELFEXT (dB)
1.00	78.00	75.00
4.00	78.00	75.00
10.00	75.30	72.30
16.00	71.20	68.20
31.25	65.40	62.40
62.50	59.40	56.40
100.00	55.30	52.30
250.00	47.30	44.30
500.00	41.30	38.30
600.00	39.70	36.70
900.00	36.20	33.20
1000.00	35.30	32.30
1200.00	33.70	30.70

RoHS GUIDELINE			
We operate according to the following standards			
Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls(PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	