

S-FTP Cat 7 LSZH (99980.xxx)

INFRALAN®

Revision History

Part No: EFB-059-5	Price NO:
Prepared by: CXY	Date: 2015/3/23
Approved by:	Page: 1 of 1

Product Code: 99980.1

Product Description

Application:
10 Gigabits/s Networks; Analog and VOIP; IP Camera; IP TV

Reference Standard
ISO/IEC 11801: 2011; IEC61156-5:2009; EN50173; EN50288

Multi-construction
4 Pair

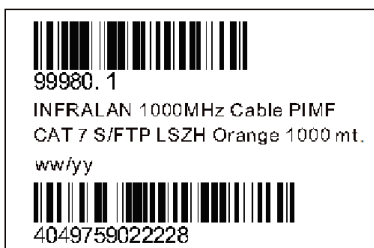
Cable Construction

1. Conductor	Bare Copper
Conductor Dia.	0.56±0.01
2. Insulation	Skin-Foam PE-Skin
Insulation Dia.(+/-0.10mm)	1,32
3. Al-Pet Shield (on each pair)	≥115%
4. Braiding Shield	Tinned Copper Claded Aluminium
Construction (mm)	TCCA0.12±0.008×8×6
Coverage	25±5%
5. Jacket	LSZH
Dia.(+/-0.30mm)	7,40
Jacket Color	Orange(RAL2003)
Color	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White

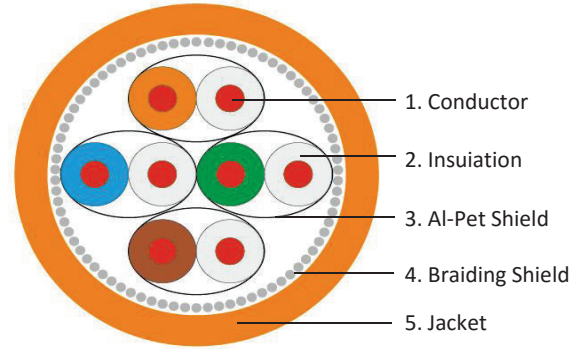
Marking
INFRALAN® CAT – 7 1000MHz 4x2xAWG23/1 PIMF LSZH
IEC60332-1 ISO/IEC11801 EN50173 TIA/EIA568A xxxx.mt

Packaging
100M/Reel
500M/Reel
1000M/Reel

Label



Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)
4,00	3,74	78,00	75,00	78,00
10,00	5,86	78,00	75,00	78,00
16,00	7,41	78,00	75,00	71,22
31,25	10,41	78,00	75,00	65,40
62,50	14,88	75,46	72,46	59,38
100,00	19,02	72,40	69,40	55,30
250,00	30,97	66,43	63,43	47,34
500,00	45,26	61,92	58,92	41,32
600,00	50,10	60,73	57,73	39,74
900,00	63,01	58,09	55,09	36,22
1000,00	66,93	57,40	54,40	35,30

Frequency (MHz)	PSELFEXT (dB)	Return loss (dB)
4,00	75,00	23,01
10,00	75,00	25,00
16,00	68,22	25,00
31,25	62,40	23,64
62,50	56,38	21,54
100,00	52,30	20,11
250,00	44,34	17,32
500,00	38,32	17,30
600,00	36,74	17,30
900,00	33,22	13,43
1000,00	32,30	13,11

Max. Conductor DC Resistance at 20°C (Ω/Km)	<85.6
Rated Temperature(°C)	60
Velocity ratio	78%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20 250-600MHz 100±25 500-1000MHz 100±30

Fire Performance: IEC60332-1
Smoke Density: IEC61034
Halogen Free: IEC60754



Intertek