Cat.7 1300 S/FTP LSZH Dca

AGINODE C7 1300 S/FTP LSZH DCA 2X4P D500 OR



Aginode Ref: 13200497
EAN: 3427630108123

- Complies to latest Cat 7 standard version
- Supports Class F applications
- Cable tested up to 1300 MHz
- Individual foiled pairs with global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation

STANDARDS

EN 50173
EN 50288
EN 50575
IEC 60332-1
IEC 61156-5
ISO/IEC 11801

Application

S/FTP Category 7 cables are the high end offering from Aginode. Manufactured in accordance with ISO IEC 61156-5 requirements, the S/FTP cable is the best choice to support all Class F applications like Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, ⋯ The Cat 7 S/FTP cables are suitable for voice, data, CATV and sharing application installations up to 600 MHz. Aginode Cat.7 cables, combined with a similar class of performance connectivity, are suitable for voice and data installations according to ISO/IEC 11801, EN 50173 and TIA/EIA 568 standards.

Construction

1. Conductor: solid bare copper
2. Insulation : Polyethylen (EN 50290-2-23) - Two insulated conductors twisted to a pair
3. Screen: ALU/PET on each pair. Alu outside - 4/2 laid up together
4. Tinned copper braid
5. Outer Jacket : LSZH - Dca (S2, d1, a1)

Environment

Designed to reduce the environment impact, Aginode cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation. The outer sheat of the cabel is made of halogen free material (IEC 60754-1 / EN 50267-2-1), whith limited fumes emission (IEC 61034-1/2 / EN 50268-1/2) and no acid gaz emission in case of fire (IEC 60754-2 / EN

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50267-2-2).

Aginode measure the environmental impact of each of the cable. Upon request the PEP Ecopassport or the Eco Material Declaration could be available.

Cat 7 1300 S FTP TRANSMISSION CHARACTERISTICS

Frequency (MHz)		4	100	155	200	250	500	600	1000	1300
Attenuation max. (dB/100m)	Standard	3,7	19,0	24,0	27,5	31,0	45,3	50,1	-	-
	Typical	3,6	18,1	22,7	25,8	29,0	41,8	46,0	60,5	69,8
NEXT min. (dB)	Standard	75,0	72,4	69,5	67,9	66,4	61,9	60,7	-	-
	Typical	100,0	97,4	94,5	92,9	91,4	86,9	85,7	81,3	79,0
PSNEXT min. (dB)	Standard	75,0	69,4	66,5	64,9	63,4	58,9	57,7	-	-
	Typical	100,0	94,4	91,5	89,9	88,4	83,9	82,7	78,3	76,0
ACRF min. (dB)	Standard	75,0	55,3	51,5	49,3	47,3	41,3	39,7	-	-
	Typical	100,0	94,0	91,7	90,1	85,7	82,1	80,0	72,7	68,1
PSACRF min. (dB)	Standard	75,0	52,3	48,5	46,3	44,3	38,3	36,7	-	-
	Typical	98,2	91,0	88,7	87,1	85,5	79,1	77,0	69,7	65,1
Return Loss min. (dB)	Standard	23,0	20,1	18,8	18,0	17,3	17,3	17,3	-	-
	Typical	33,0	30,1	28,8	28,0	27,3	25,3	25,3	23,1	21,9
ACR min. (dB/100)	Standard	71,3	53,4	45,6	40,4	35,5	16,7	10,6	-	-
	Typical	96,4	79,3	71,9	67,0	62,4	45,1	39,7	20,8	9,2

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Characteristics

结构特性	
外护套	低烟无卤
护套颜色	橙
无卤	是
Higher heating value	1080 MJ/km
电缆类型	S/FTP
线对屏蔽	Aluminium / Polyester tape
总屏蔽	Tinned copper braid
尺寸特性	
近似重量	97 kg/km
线对数	4
导体横截面尺寸（AWG）	23
绝缘外径	1.31 mm
标称外径	7.0 mm
外部尺寸	7.0 x 14.2 mm
电气特性	
互电容	42 nF/km
20°C时导体的最大直流电阻	75 Ohm/km
特性阻抗在100Mhz	100 Ohm
机械特性	
最大安装拉力	230 N
传输特性	
传播速度	82 %
耦合衰减在30MHz	>80 dB
使用特性	
应用类型	固定安装
类型	Cat. 7
阻燃 - 火焰	IEC 60332-1

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烟密度	低
包装	Drum 500 m
环境安装温度，范围	0...50 °C
敷设时弯曲系数	8 (xD)
安装时弯曲系数	4 (xD)
环境静态工作温度，范围	-20...70 °C

业绩声明

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