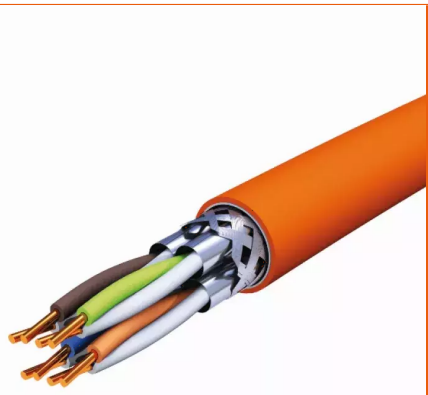
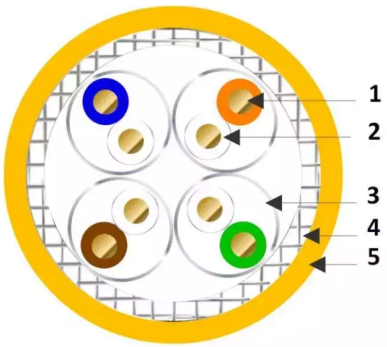
Cat.7 800 S/FTP LSZH Dca

AGINODE C7 800 S/FTP LSZH DCA 4P 500M ORANGE



Aginode Ref: 10053444
EAN: 3427630013519

- Complies to latest Cat 7 standard version
- Supports Class F applications
- Cable tested up to 800 MHz
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Individual foiled pairs with global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation



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

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)

STANDARDS

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

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and no acid gaz emission in case of fire (IEC 60754-2 / EN 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 7 800 S/FTP

TRANSMISSION CHARACTERISTICS
Values at 20°C

Frequency (MHz)	S/T	4	100	155	200	240	250	350	500	550	580	590	600	700	800
Attenuation max. (dB/100m)	Standard	3.7	19.0	24.0	27.5	30.3	31.0	37.2	45.3	47.7	49.2	49.6	50.1	-	-
	Typical	3.6	18.1	22.7	25.8	28.4	29.0	34.6	41.8	43.9	45.2	45.6	46.0	50.0	53.7
NEXT min. (dB)	Standard	75.0	72.4	69.5	67.9	66.7	66.4	64.2	61.9	61.3	60.9	60.8	60.7	-	-
	Typical	100.0	97.4	94.5	92.9	91.7	91.4	89.2	86.9	86.3	85.9	85.8	85.7	84.4	83.2
PSNEXT min. (dB)	Standard	75.0	69.4	66.5	64.9	63.7	63.4	61.2	58.9	58.3	57.9	57.8	57.7	-	-
	Typical	100.0	94.4	91.5	89.9	88.7	88.4	86.2	83.9	83.3	82.9	82.8	82.7	81.4	80.2
ACRF min. (dB)	Standard	75.0	55.3	51.5	49.3	47.7	47.3	44.4	41.3	40.5	40.0	39.9	39.7	-	-
	Typical	100.0	94.0	91.7	90.1	88.5	85.7	85.7	82.1	81.0	80.4	80.2	80.0	78.0	76.2
PSACRF min. (dB)	Standard	75.0	52.3	48.5	46.3	44.7	44.3	41.4	38.3	37.5	37.0	36.9	36.7	-	-
	Typical	98.2	91.0	88.7	87.1	85.8	85.5	82.7	79.1	78.0	77.4	77.2	77.0	75.0	73.2
Return Loss min. (dB)	Standard	23.0	20.1	18.8	18.0	17.4	17.3	17.3	17.3	17.3	17.3	17.3	17.3	-	-
	Typical	33.0	30.1	28.8	28.0	27.4	27.3	26.3	25.3	25.3	25.3	25.3	25.3	24.6	24.1

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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	525 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	48 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	Not applicable
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	115 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

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