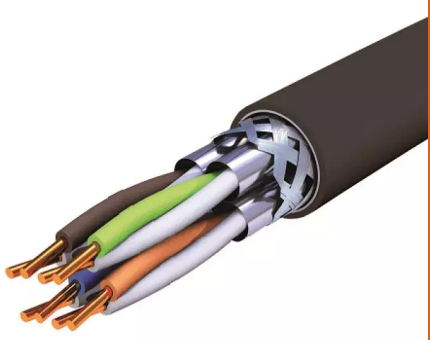
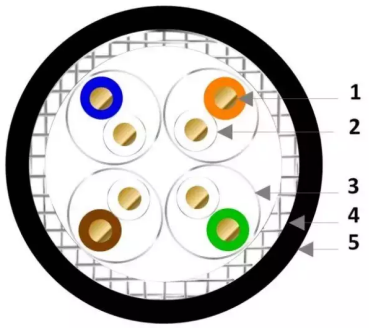
IN AND OUT IP Cable

VIP CABLE S/FTP 4P IN&OUT ECA 305M



Aginode Ref: 10251534
EAN: 3760400091080

- Camera IP video cable
- Cable compliant with IEC61156-6 CAT6A under a distance of 60m
- For systems compliant with EA class according to ISO/IEC 11801 & EN 50173 under a distance of 60m
- UV and humidity resistant and LSZH
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Compatible with RJ45 plugs (for solid wire only)
- Pimf and braid for EMC performance
- High tensile strength for outdoor installation
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation



Application

Les câbles à paires symétriques S/FTP VIP avec gaine In&Out composent l'offre haut de gamme de Aginode pour les applications Vidéo IP en environnement intérieur et/ou extérieur. La gaine spécifique garantit une tenue aux UV et à l'humidité mais également une conformité LSZH.
Le diamètre optimisé des conducteurs autorise le montage sur connecteurs RJ45, simplifiant les raccordements sur site.
Cette construction, fabriquée selon les exigences des normes de transmission IEC 61156-6, représente un composant de choix pour les applications 10 Gigabits Ethernet sur 60m en configurations channel et direct attached telles la vidéosurveillance, le raccordement de bornes WIFI outdoor et les applications IP industrielles et urbaines.

Construction

1. Ame conductrice : Cuivre nu massif
2. Isolation : Polyéthylène (EN 50290-2-23) - Deux fils isolés torsadés en paires
3. Paires écrantées: Ruban Alu/Pet. Alu à l'extérieur - 4 paires assemblées

STANDARDS

EN 50173
EN 50288
EN 50575
IEC 61156-6
ISO/IEC 11801

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4. Tresse : Tresse cuivre étamé
5. Gaine : In&Out (EN 50289-4-17)

Environnement

Conçus pour minimiser l'impact sur l'environnement, les câbles Aginode sont conformes à la Directive RoHS 2011/65 et à la réglementation Reach 1907/2006/EC. La gaine extérieure en matériau sans halogène (IEC 60754-1 / EN 50267-2-1) réduit les émissions de fumées et ne produit pas d'émissions de gaz acide en cas de feu (IEC 60754-2 / EN 50267-2-2).
Aginode mesure l'impact environnemental de chacun de ses produits. Sur demande, l'Eco Material Declaration ou l'Ecopassport peuvent être fournis.

VIP TRANSMISSION CHARACTERISTICS

CABLE VIP IN&OUT VIDÉO IP S/FTP AWG26 CONFORM TO IEC61156-6
Values at 20°C

Frequency (MHz)	4	16	20	31.25	62.5	100	155	200	240	250	350	500
Attenuation max. (dB/100m)	5.7	11.2	12.6	15.8	22.5	28.7	36.1	41.4	45.6	46.6	55.9	67.9
NEXT min. (dB)	75.0	75.0	75.0	72.9	68.4	65.3	62.4	60.8	59.6	59.3	57.1	54.8
PSNEXT min. (dB)	75.0	74.2	72.8	69.9	65.4	62.3	59.4	57.8	56.6	56.3	54.1	51.8
ACRF min. (dB)	66.0	53.9	52.0	48.1	42.1	38.0	34.2	32.0	30.4	30.0	27.1	24.0
PSACRF min. (dB)	63.0	50.9	49.0	45.1	39.1	35.0	31.2	29.0	27.4	27.0	24.1	21.0
Return Loss min. (dB)	23.0	25.0	25.0	23.3	20.7	19.0	17.4	16.4	15.7	15.6	15.6	15.6

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VIP CABLE S/FTP 4P In&Out Eca 305m

Characteristics

Construction characteristics	
Outer sheath	In & out
Sheath colour	Black
Halogen free	Yes
Higher heating value	430 MJ/km
Type of cable	S/FTP
Shielding	80% tinned copper braid coverage
Individual screen	Aluminium / Polyester tape
Overall screen	Tinned copper braid
Dimensional characteristics	
Approximate weight	43 kg/km
Number of pairs	4
Conductor cross-section (AWG/KCMIL)	AWG26/1
Diameter over insulation	1.0 mm
Nominal outer diameter (mm)	6.0 mm
External dimensions	Not applicable
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	150 Ohm/km
Characteristic impedance at 100 MHz	100 Ohm
Mechanical characteristics	
Maximum installation tension	110 N
Transmission characteristics	
Nominal Velocity of Propagation (NVP)	75 %
Coupling attenuation at 30 MHz	>80 dB
Typical maximum time delay	450 ns/100m
Typical maximum delay skew for conductor	270 ns/100m
Typical maximum delay skew for pair	540 ns/100m
Usage characteristics	

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Field of application	Indoor, Outdoor
Weather resistance	Excellent
Flame retardant	IEC 60332-1
Smoke density	Low
Packaging	Box 305 m
Ambient installation temperature, range	-25...50 °C
Bending factor when laying	8 (xD)
Bending factor when installed	4 (xD)
Ambient static operating temperature, range	-40...75 °C

Declaration of Performance 10

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