

VIP IN&OUT Eca IP Video Cable

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

Contact

Sales contact
telecom-data.info@nexans.com

Nexans Ref.: 10251534

EAN 13: 3427630099414

- Camera IP video cable
- 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

DESCRIPTION

Application

S/FTP VIP cables with In&Out outer jacket are the very high end Video offering from Nexans. The special jacket guarantee very good UV and humidity resistance and also a LSZH compliance. The thin diameter of the wire authorizes a direct connection on RJ45 plugs, making the installation quicker and easier. Manufactured in accordance with ISO IEC 61156-6 transmission requirements, the S/FTP cable is the best choice to support 10Gigabit Ethernet on 75m in channel configurations and direct attached, like video applications, outdoor wifi connection, industrial and urban automation systems.

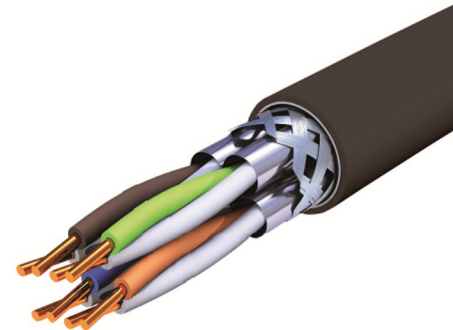
Construction

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 : In&Out Eca (EN50575)

Environment

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

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



DECLARATION OF PERFORMANCE

Eca

STANDARDS

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



Halogen free
Yes



Bending factor
when laying
8 (xD)



Bending factor
installed
4 (xD)



Ambient installation
T°C range
-25 - 50 °C



Ambient static op.
temp
-40 - 75 °C



Flame retardant
IEC 60332-1



Smoke density
Low



Weather resistance
Excellent

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 5/29/22 www.nexans.fr Page 1 / 3

VIP IN&OUT Eca IP Video Cable

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

Contact

Sales contact
telecom-data.info@nexans.com

CHARACTERISTICS

Construction characteristics

Type of cable	S/FTP
Individual screen	Aluminium / Polyester tape
Overall screen	Tinned copper braid
Shielding	80% tinned copper braid coverage
Outer sheath	In & out
Sheath colour	Black
Halogen free	Yes
Higher heating value	430 MJ/km

Dimensional characteristics

Number of pairs	4
Approximate weight	43 kg/km
Nominal outer diameter	6.0 mm
Conductor cross-section (AWG/KCMIL)	AWG26/1
Diameter over insulation	1.0 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

Transmission characteristics

Coupling attenuation at 30 MHz	>80 dB
Nominal Velocity of Propagation (NVP)	75 %
Typical maximum delay skew for conductor	270 ns/100m
Typical maximum delay skew for pair	540 ns/100m
Typical maximum time delay	450 ns/100m

Mechanical characteristics

Maximum installation tension	110 N
------------------------------	-------

Usage characteristics

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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 5/29/22 www.nexans.fr Page 2 / 3

The Nexans logo features a stylized red 'N' followed by the word 'Nexans' in a black, sans-serif font.

VIP IN&OUT Eca IP Video Cable

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

Contact

Sales contact
telecom-data.info@nexans.com

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