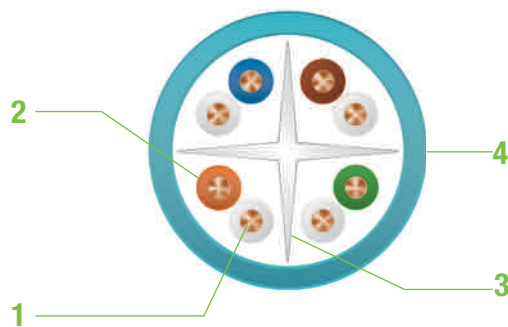




VG6xSHy

100Ω U/UTP CAT6 4 pairs or 2x4 pairs cable 250MHz LSZH sheath



1. **Conductor** : solid bare copper AWG23
2. **Insulation** : PE HD
3. **Central member** : White or transparent thermoplastic cross
4. **Outer sheath** : LSZH - Light blue RAL 5024

DESCRIPTIONS

U/UTP cable 4 pairs or 2x4 pairs, VG6xSHy, can be used in horizontal link or vertical configuration as backbone. It constitutes the base of a structured cabling network and can support all the IP application.

Performances of the VG6xSH exceed the current standards, use with Multimedia Connect connectivity it will ensure conformity with Class E / CAT6 channel.

APPLICATIONS

Ethernet Base T up to 1Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af PoE	

STANDARDS

CABLE	IEC 61156-5 CAT6
SYSTEME	ISO / IEC 11801 Ed2.2 Class E

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	69%



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ENVIRONMENTAL PROPERTIES

CPR Level	Dca - s2,d2,a2
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (dB)	
	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value
4	3.8	3.5	66.3	69	63.3	66	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	60	47.8	60	44.8	57	25.0	28
16	7.6	6.9	57.2	60	54.2	57	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	52	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	48	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	45	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	41	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	39	19.8	27	16.8	24	17.3	23

(*) standard : values from IEC 61156-5

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
VG64SH	CAT6 CABLE U/UTP 4 PAIRS LSZH	6.5 mm	DRUM 1000M
VG64SH1	CAT6 CABLE U/UTP 4 PAIRS LSZH		COIL 100M
VG64SH5	CAT6 CABLE U/UTP 4 PAIRS LSZH		DRUM 500
VG64SHB	CAT6 CABLE U/UTP 4 PAIRS LSZH		BOX 305M
VG64SHBRIB	CAT6 CABLE U/UTP 4 PAIRS LSZH		REEL IN BOX 305M

CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
VG68SH	CAT6 CABLE U/UTP 2x4 PAIRS LSZH	6.5 x 13.5 mm	DRUM 1000M
VG68SH1	CAT6 CABLE U/UTP 2x4 PAIRS LSZH		COIL 100M
VG68SH5	CAT6 CABLE U/UTP 2x4 PAIRS LSZH		DRUM 500

DECLARATION OF PERFORMANCE

DOP N 3-D-B25-00269

Product Information

Unique identification code:

U/UTP 1x4P CAT6 LSZH

Type, batch or serial number or any other element allowing identification of the construction product as required to Article 11 (4):

VG64SHx

Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by manufacturer:

Twisted pairs communication cable

Declared Performance

System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V (AVCP):

System 3

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	Dca - s2,d2,a2	EN 50575:2014

In case of the declaration of performance concerning a construction product covered by harmonized standard:

Notified Body number : 2659

Manufacturer information

Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) :

MULTIMEDIA CONNECT
Air Park de Paris - 3 avenue Jeanne Garnerin
91320 Wissous - FRANCE

Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

N/A

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by :
Rachid BEN ALI - Product Manager

Wissous, France , 26/04/2017