

VG64SHB

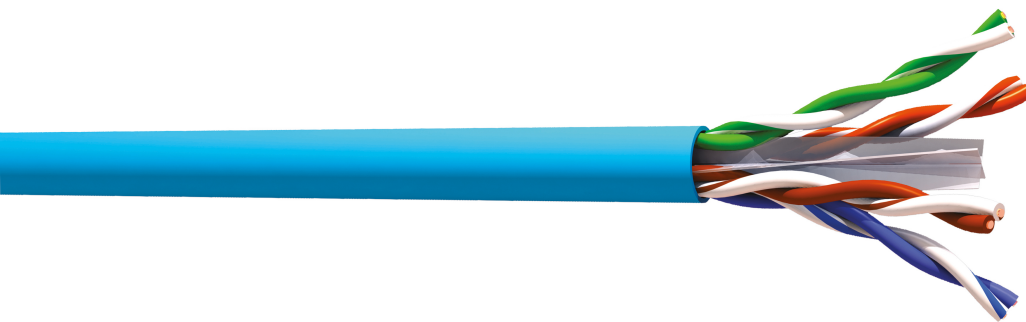
CAT6 U/UTP 1x4P 350 MHz LSZH Dca
Cable Reel in box of 305m



DESCRIPTION

The U/UTP 4-pair VG6xSH cable can be used in horizontal or vertical configurations. It forms the basis of structured cabling and can support any type of IP application. Tested up to 350 MHz, the VG6xSH delivers operation beyond CAT6 standards. When used with a Multimedia Connect connectivity solution, it will guarantee Channel Class E / CAT6-compliant performance.

This cable is declared Dca s2,d2,a2 according to the CPR EN50575 standard.



ADVANTAGES

- Exceeds standard specifications : tested up to 350 MHz
- LSZH version available in Dca (CPR level)
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	VG6xSHyyyyyz
Core gauge	AWG23
Assembly type	Pairs
Outer Sheath Material	LSZH
Color	Blue RAL 5024
Nom. diameter of the outer sheath (mm)	6
Ground drain presence	No
Shielding type	U/UTP
Insulation Color Code	Blue and White blue or White - Orange and White orange or White - Green and White green or White - Brown and White brown or White
Nominal insulation diameter (mm)	0,92

ELECTRICAL CHARACTERISTICS

Loop resistance	170
Minimum insulation resistance	insulation_resistance_min_sup_5000
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω /Km)	85
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	55
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	69
Segregation Class	0
Performance Category	Category 6
Data Transmission Standard	EIA/TIA 568-C.2 Cat6, EN 50173-1: 2011 Classe E, ISO 11801 Ed.3 Classe E
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	8 x $\varnothing$ ext
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MECHANICAL CHARACTERISTICS

Bending Radius in Mobile Installation

15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification

Dca s2, d2, a2

Fire behaviour

IEC 60332-1

Smoke emission

IEC 61034-1 & -2

Gas emission

IEC60754-2

RoHS Compliance

Compliant with the RoHS directive

Component Standard

IEC 61156-5 Cat6

ADDITIONAL INFORMATION

Product Packaging

Reel in Box of 305m

Weight (Kg)

0.035

TRANSMISSION PERFORMANCE

FREQUENCY (Mhz)	INSERTION LOSS (dB/100M)		NEXT (dB/100M)		PSNEXT (dB/100M)		ACR-F (dB/100M)		PSACR-F (dB/100M)		RETURN LOSS (dB/100M)	
	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value
4	-3,8	-3,6	-66,3	-87,5	-63,3	-84,5	-56,0	-80,0	-53,0	-77,0	-23,0	-34,3
10	-6,0	-5,7	-60,3	-86,5	-57,3	-83,5	-48,0	-72,1	-45,0	-69,1	-25,0	-35,7
16	-7,6	-7,3	-57,2	-77,9	-54,2	-74,9	-43,9	-68,6	-40,9	-65,6	-25,0	-39,2
20	-9,6	-9,2	-54,3	-82,9	-51,3	-79,9	-40,0	-66,5	-37,0	-63,5	-24,3	-35,3
31,25	-10,7	-10,3	-52,9	-78,1	-49,9	-75,1	-38,1	-61,8	-35,1	-58,8	-23,6	-35,0
62,5	-15,5	-15,2	-50,9	-73,0	-47,9	-70,0	-32,1	-57,0	-29,1	-54,0	-21,5	-33,0
100	-19,9	-18,6	-48,4	-69,2	-45,4	-66,2	-28,0	-53,1	-25,0	-50,1	-20,1	-31,8
125	-22,5	-21,0	-45,3	-67,0	-42,3	-64,0	-26,1	-50,5	-23,1	-47,5	-19,4	-32,0
155	-25,3	-24,0	-42,4	-65,0	-39,4	-62,0	-24,2	-48,5	-21,2	-45,5	-18,8	-32,0
200	-29,1	-26,6	-40,8	-63,0	-37,8	-60,0	-22,0	-46,5	-19,0	-43,5	-18,0	-32,1
250	-33,0	-29,9	-39,3	-60,3	-36,3	-57,3	-20,0	-47,3	-17,0	-44,3	-17,3	-29,9
300	N/A	-32,0	N/A	-57,0	N/A	-54,0	N/A	-46,5	N/A	-43,5	N/A	-29,8
350	N/A	-35,0	N/A	-54,0	N/A	-51,0	N/A	-46,0	N/A	-43,0	N/A	-30,0