

VGBP4V10

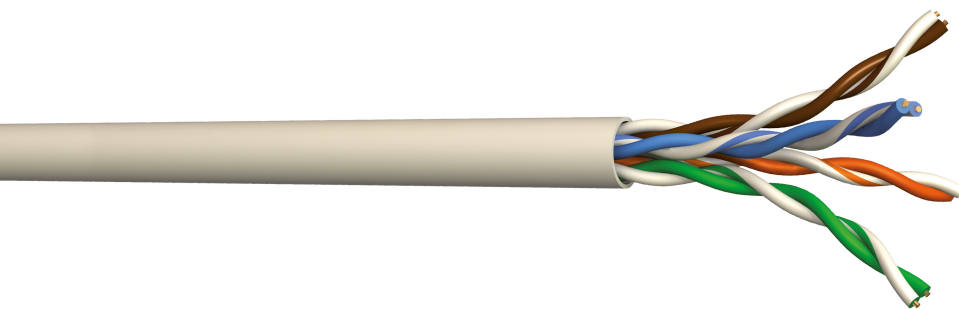
CAT5E U/UTP 1x4P PVC patch cable –
Green – Drum of 1000m



DESCRIPTION

Unshielded U/UTP cable, VGBPx, is used for production of patch cords or consolidation links. It forms the extension of a high-speed voice, data and video network and is an integral component of a class D linking chain.

This cable is used in digital and analog signal transmission for voice, data transmission and video links.



ADVANTAGES

- Electrical supply of equipments (camera, hotspot wifi, IP phone,...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	VGBPxzyyyy
Core gauge	AWG26/7
Assembly type	Pairs
Outer Sheath Material	PVC
Color	Grey RAL 7035
Nom. diameter of the outer sheath (mm)	5.4
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)	0,80

ELECTRICAL CHARACTERISTICS

Loop resistance	290
Minimum insulation resistance	resistance_isolement_min_sup_5000
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω /Km)	145
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	66
Performance Category	Category 5E
Data Transmission Standard	EIA/TIA 568-C.2 Cat5E, EN 50173-1: 2011 Classe D, ISO / IEC 11801 Ed3 Class D
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 Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Eca
Fire behaviour	IEC 60332-1
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-6 Cat5E

ADDITIONAL INFORMATION

Product Packaging	Drum of 1000m
Weight (Kg)	0.035

TRANSMISSION PERFORMANCE

FRÉQUENCE (Mhz)	ATTENUATION (dB/100M)		NEXT (dB/100M)		PSNEXT (dB/100M)		ACR-F (dB/100M)		PSACR-F (dB/100M)		RETURN LOSS (dB/100M)	
	Norme	Valeur typique	Norme	Valeur typique	Norme	Valeur typique	Norme	Valeur typique	Norme	Valeur typique	Norme	Valeur typique
4	-4,1	-4,1	-56,3	-76,5	-53,3	-73,5	-52,0	-74,9	-49,0	-71,9	-23,0	-37,8
10	-6,5	-6,5	-50,3	-72,8	-47,3	-69,8	-44,0	-68,0	-41,0	-65,0	-25,0	-39,0
16	-8,3	-8,2	-47,2	-66,7	-44,2	-63,7	-39,9	-62,8	-36,9	-59,8	-25,0	-34,9
20	-9,3	-9,3	-45,8	-65,3	-42,8	-62,3	-38,0	-62,0	-35,0	-59,0	-25,0	-32,7
31,25	-11,7	-11,6	-42,9	-66,2	-39,9	-63,2	-34,1	-59,4	-31,1	-56,4	-23,6	-32,6
62,5	-17,0	-16,6	-40,9	-62,9	-37,9	-59,9	-28,1	-51,3	-25,1	-48,3	-21,5	-38,0
100	-22,0	-21,1	-38,4	-57,3	-35,4	-54,3	-24,0	-42,9	-21,0	-39,9	-20,1	-32,1