

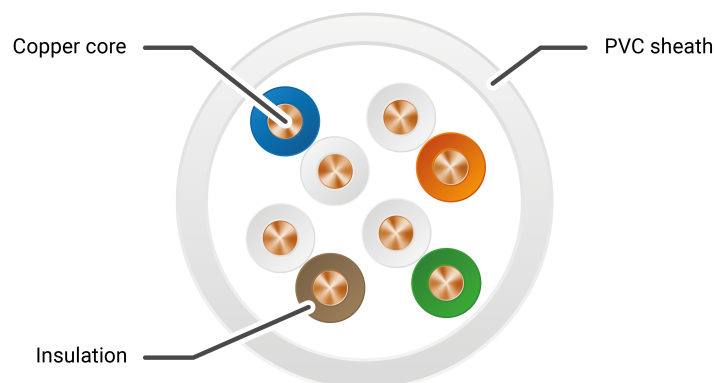
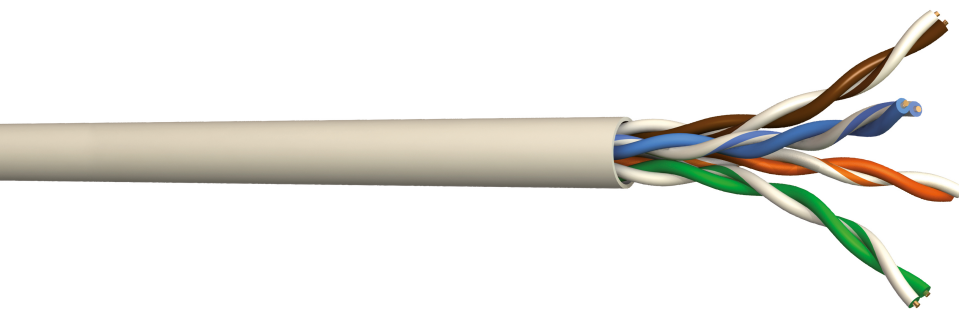
VGB45

**CAT5E U/UTP 1x4P PVC Eca cable –
Drum of 500m**



DESCRIPTION

U/UTP cable, VGBx is used in a horizontal or vertical configuration (bypass). It forms the basis of a Voice, Data and Video broadband network, up to 1Gbps. This cable can be used in digital and analog signal transmission for voice, data transmission and video links.



ADVANTAGES

- Exceed standard specifications
- Flame retardant



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	VGBxyyyyz
Core gauge	AWG24
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)	0,88

ELECTRICAL CHARACTERISTICS

Loop resistance	187
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	93
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 61156-5 Cat5E

ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
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	-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