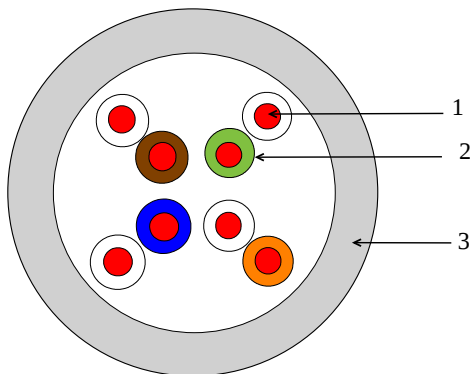


REF : VGB4BCM

Cable U/UTP 4P 100OHMS CAT5E CM Compliant B305m



1. **Conductor:** Solid Bare Copper AWG24
2. **Insulation:** Polyethylene; colour code /EIA/TIA 568
3. **Outer sheath:** Grey PVC – Ø5.0mm

Application

U/UTP (Unshielded twisted pairs) cable, which is used in a horizontal or vertical configuration (Backbone), it constitutes the base of a very high bit rate V.D.I. (Voice-Data-Image) network.

Performances of this cable exceed the current standards; its use with connectors (CAT5E range) ensures conformity with Class D channel.

This cable is used for transmission of digital and analogue voice, data and video signals.

It can transmit :

- ISDN
- ETHERNET 10 Base T - *Ethernet*
- TOKEN RING 4/16 Mbits
- ETHERNET 100 Base Tx, 100 Base T4 – *Fast Ethernet*
- ETHERNET 1000 Base T – *Gigabit Ethernet*
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622Mbits/s and 1,2Gbits/s
- IEEE 802.3af – Power Over Ethernet

Standards

CABLE	Performances : IEC 61156-5 Safety : NEC/UL compliant CM
SYSTEM	ISO 11801 Edition 2 – CLASS D

REF : VGB4BCM

Cable U/UTP 4P 100OHMS CAT5E CM Compliant B305m

Electrical properties @ 20°C

Max. linear electrical resistance : 95 Ω / Km
Mutual capacity (nom.) : 45 pF / m
Characteristic impedance: 100 Ω
Velocity of propagation : 66 %

Other characteristics

Flame test : NEC/UL CM rated
Operating temperature : - 15° C / + 70°C
Minimum bending radius: 40 mm
Conform to RoHS directive

Transmission performances @20°C

Freq. (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ACR-N (dB/100m)		PSACR-N (dB/100m)		RETURN LOSS (dB)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
4	4.08	4.0	56.3	82	53.3	59	52	63	49	60	23	37.0
10	6.5	6.2	50.3	60	47.3	57	44	60	41	57	25	38.0
16	8.3	8.1	47.2	56	44.2	53	40	57	37	54	25	38.0
25	10.4	10.2	44.3	54	41.3	51	36	53	33	50	24.3	35.0
31.25	11.7	11.5	42.9	50	39.9	47	34.1	48	31.1	45	23.6	35.0
62.5	17	16.8	38.4	47	35.4	43	28.1	39	25.1	36	21.5	34.0
100	22	21.7	35.3	40	32.3	37	24	35	21	32	20.1	33.0
155	NA	25.2	NA	39	NA	36	NA	18	NA	15	NA	32.0
200	NA	28.9	NA	38	NA	35	NA	9	NA	6	NA	31.0
250	NA	32.5	NA	37	NA	34	NA	4	NA	1	NA	29.5
300	NA	35.8	NA	33	NA	30	NA	-3	NA	-6	NA	28.5
350	NA	38.9	NA	30	NA	27	NA	-9	NA	-12	NA	27.0

(*)Standard: Values from IEC 61156-5.

(**)NA: not applicable

Ordering information

References	VGB4BCM
Pairs Number	4
AWG	24
Nominal diameter (mm)	5.0
Packaging	305m