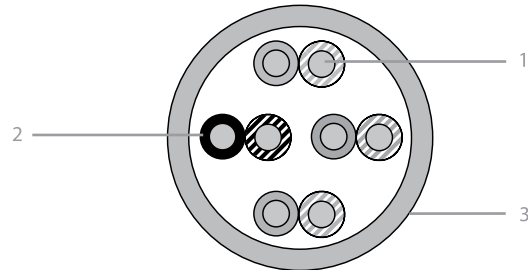
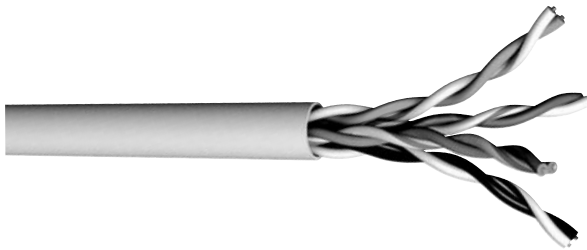




## ② CAT 5e - SOLID CORE CABLES

### VGBx : 100 OHM U/UTP CABLE CAT 5e - 100 MHZ



#### CONSTRUCTION

1. Core : Solid annealed copper AWG24
2. Insulation : High-density PE
3. Jacket : PVC or LSZH –Grey RAL 7035

#### CHARACTERISTICS

Unshielded twisted pairs cable U/UTP  
Useable for horizontal or vertical cabling  
This cable is used for transmission of digital and analogue voice, Data and video signals

#### APPLICATIONS

ISDN  
TOKEN RING 4/16 Mbits  
100 VG-AnyLAN  
TP-PMD/TP-DDI  
ATM 155  
ETHERNET 10 Base T  
ETHERNET 100 Base Tx, 100 Base T4  
ETHERNET 1000 Base T

#### STANDARDS AND PERFORMANCES

- CABLE  
IEC 61156-5  
EN 50288-3-1
- SYSTEM  
EIA/TIA 568-B.2 – Cat 5e  
ISO 11801 Edition 2 – CLASS D  
EN 50173 Edition 2 – CLASS D

#### TECHNICAL DATA

Linear resistance (max.) : < 94 Ohm / Km  
Mutual capacity (nom.) : 50 pF / m  
Characteristic impedance :  
(from 1 to 100 MHz) 100 +/- 15 Ohm  
Nominal velocity propagation : 66 %  
Operating temperature : - 20° C / + 70° C  
Bending radius (min.) : 8 x Cable diameter

F (MHz)	ATTENUATION (dB/100 m)		NEXT (dB/100 m)		ACR (dB/100 m)		PS NEXT (dB/100 m)		ELFEXT (dB/100 m)		PSELFEXT (dB/100 m)		RETURN LOSS (dB/100 m)	
	Standard	M.M.C*	Standard	M.M.C*	Standard	M.M.C*	Standard	M.M.C*	Standard	M.M.C*	Standard	M.M.C*	Standard	M.M.C*
1	2.0	1.8	65.3	76	63.3	74	62.3	78	63.8	75	60.8	72	20.0	35
4	4.1	4.0	56.3	75	52.2	69	53.3	72	51.8	60	48.8	66	23.0	36
10	6.5	6.2	50.3	70	43.8	64	47.3	69	43.8	53	40.8	50	25.0	38
16	8.2	8.0	47.2	64	39.1	56	44.2	61	39.7	52	36.7	49	25.0	38
20	9.3	9.0	45.8	63	36.5	54	42	60	37.8	50	34.8	47	25.0	37
25	10.4	10.3	44.3	61	33.9	51	41.3	58	35.8	48	32.8	45	24.3	36
31.25	11.7	11.5	42.9	59	31.2	48	39.9	56	33.9	47	30.9	44	23.6	35
62.5	17.0	16.8	38.4	54	21.4	37	35.4	51	27.9	41	24.9	38	21.5	30
100	22.0	21.7	35.3	51	13.3	30	32.3	48	23.8	39	20.8	36	20.1	29

\* M.M.C : MULTIMEDIA CONNECT

Standard: Values according to IEC 61156-5 & EN50288

The installation and environmental requirements can modify the presented values.

Multimedia Connect reserves the right to modify the present characteristics without preliminary notification.

ITEM N°	PAIRS	AWG	SHIELDING	JACKET	DIAMETER	WEIGHT	PACKAGING
VGB4	4	AWG 24	U/UTP	PVC	5.5 mm	34 kg	B305-500M-1000M
VGB4SH	4	AWG 24	U/UTP	LSZH	5.5 mm	34 kg	B305-1000M
VGB8	2 x 4	AWG 24	U/UTP	PVC	5.5 x 11 mm	68 kg	1000M
VGB8SH	2 x 4	AWG 24	U/UTP	LSZH	5.5 x 11 mm	68 kg	1000M