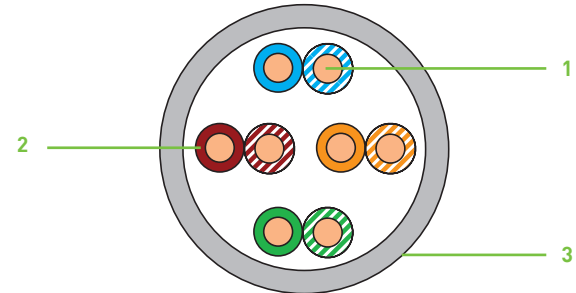
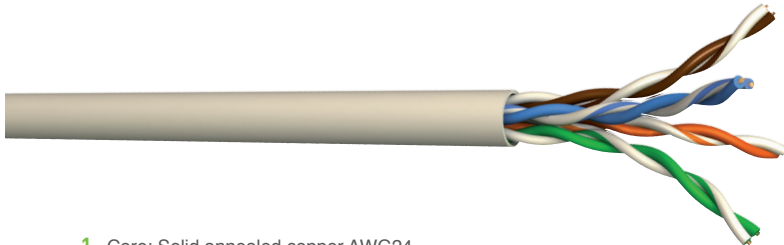


COPPER CABLES

CATEGORY 5E CABLES - U/UTP



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

VGB4

FEATURES AND BENEFITS

- Exceed CAT5e standard requirements

NETWORK APPLICATIONS

- ISDN - VoIP
- TOKEN RING 4/16 Mbits - 100 VG-AnyLAN
- TP-PMD/TP-DDI - ATM 155, 622, 1200 Mbits
- ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T

CABLING STANDARDS

- CABLE: - IEC 61156-5
- EN 50288-3-1
- SYSTEM: - ISO/IEC 11801 Edition 2 – CLASS D
- EN 50173 Edition 2 – CLASS D
- EIA/TIA 568-B.2 CAT5e

TECHNICAL CHARACTERISTICS

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

F (MHz)	INSERTION LOSS (dB/100 m)		NEXT (dB/100 m)		ACR-N (dB/100 m)		PSNEXT (dB/100 m)		ACR-F (dB/100 m)		PSACR-F (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	42.0	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

ORDERING INFORMATION

Part Number	Pairs	Core Section	Shielding	Jacket	Outer Diameter	Weight	Packaging
VGB4	4	AWG24	U/UTP	PVC	5.5 mm	34 kg/km	B305M – 500M -1000M
VGB4SH	4	AWG24	U/UTP	LSZH	5.5 mm	34 kg/km	B305M -1000M
VGB8	2 x 4	AWG24	U/UTP	PVC	5.5 x 11 mm	68 kg/km	1000M
VGB8SH	2 x 4	AWG24	U/UTP	LSZH	5.5 x 11 mm	68 kg/km	1000M