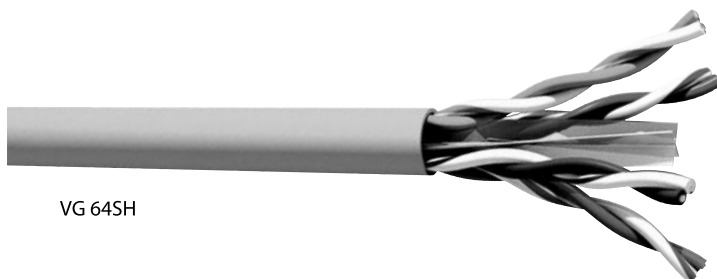
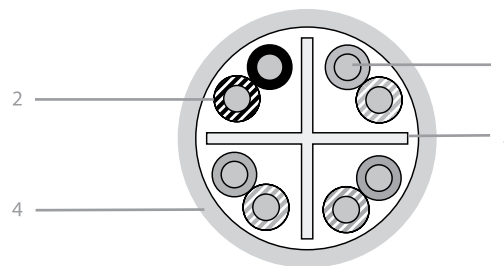
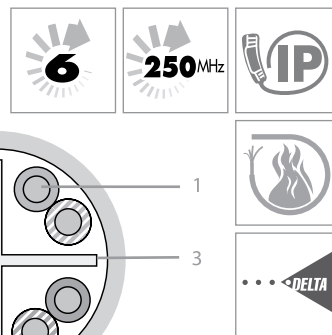




3 CAT 6 - SOLID CORE CABLES VG6 : 100 OHM U/UTP CABLE CAT 6 - 250 MHz



VG 64SH



CONSTRUCTION

1. Core: Solid annealed copper AWG23
2. Insulation: High-density PE
3. Cross: High-density PE
4. Jacket: PVC or LSZH -Blue RAL 5024

CHARACTERISTICS

Unshielded twisted pairs cable U/UTP, which is used in a horizontal or vertical configuration (Backbone).
It constitutes the base of a V.D.I (Voice-Data-Image) network to high bit rate. Cat 6 cables made up of a central element PE cross facilitating the holding of the twisted pairs.
The performances of this cable exceed the restrictions of CAT6 standards; its use with the MULTI66 or MK6 CAT6 connectors ensures conformity of the full channel in Classe E.
This cable is used for transmission of digital and analogue voice, Data and video signals.

APPLICATIONS

ISDN VoIP TOKEN RING 4/16 Mbits
100 VG-AnyLAN TP-PMD/TP-DDI ATM 155, 622,1200 Mbits
ETHERNET 10 Base T ETHERNET 100 Base Tx, 100 Base T4
ETHERNET 1000 Base T ETHERNET 10G Base T (Up to 55 meters)
IEEE 802.3 af - PoE (Power Over Ethernet)

STANDARDS AND PERFORMANCES

- CABLE
IEC 61156-5
EN 50288-6-1
- SYSTEM
EIA/TIA 568-B.2-1 - Cat 6
ISO 11801 Edition 2 - CLASS E
EN 50173 Edition 2 - CLASS E
EIA/TIA TSB-155 - 10G over CAT6
DRAFT ISO/IEC - TR24750 - 10G over CLASS E

TECHNICAL DATA

Linear resistance (max.): 150 Ohm / Km
Mutual capacity (nom.) : 48 pF / m
Characteristics impedance :
(from 1 to 100 MHz) 100 +/- 15 Ohm
(from 100 to 250 MHz) 100 +/- 20 Ohm
Nominal velocity propagation : 69 %
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	1.7	74.3	82	72.3	80	72.3	79	63.8	79	64.8	81	20.0	32
4	3.8	2.9	65.3	73	61.5	70	63.3	70	51.8	73	52.8	80	23.0	33
10	6.0	4.8	59.3	67	53.3	62	57.3	64	43.8	63	44.8	70	25.0	30
16	7.6	6.3	56.2	64	48.6	58	54.2	61	39.7	61	40.7	62	25.0	32
25	9.5	8.4	53.3	61	43.8	52	51.3	58	37.8	60	36.8	60	24.3	34
31.25	10.7	9.3	51.9	60	41.2	50	49.9	57	35.8	55	34.9	56	23.6	31
100	19.8	17.2	44.3	52	24.5	35	42.3	49	33.9	53	24.8	45	20.1	27
200	29.0	25.3	39.8	48	10.8	23	37.8	45	27.9	50	18.8	36	18	24
250	32.8	30.0	38.3	47	5.5	17	36.3	44	23.8	49	16.8	35	17.3	22

* 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°	PAIR	SAWG	SHIELDING	JACKET	DIAMETER	WEIGHG	PACKAGING
VG64	4	AWG 23	U/UTP	PVC	6.5 mm	43 kg	B305 - 1000M
VG64SH	4	AWG 23	U/UTP	LSZH	6.5 mm	43 kg	B305 - 500M - 1000M
VG68SH	2 x 4	AWG 23	U/UTP	LSZH	6.5 x 13 mm	89 kg	500M - 1000M

Reserve the right to make technical changes