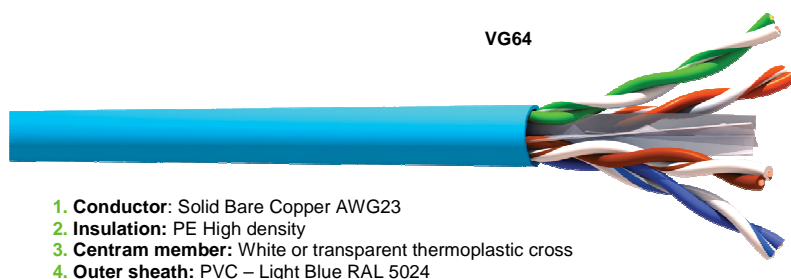


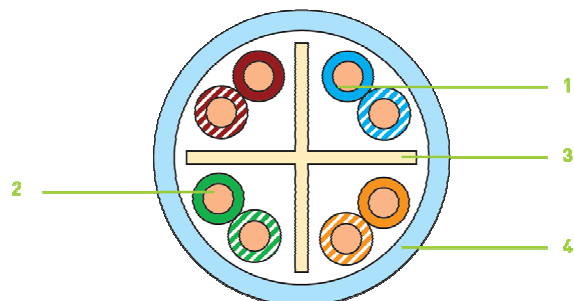
REF : VG64

100 Ω U/UTP 4 pairs category 6 cable – 250 MHz – PVC sheath



VG64

1. **Conductor:** Solid Bare Copper AWG23
2. **Insulation:** PE High density
3. **Centram member:** White or transparent thermoplastic cross
4. **Outer sheath:** PVC – Light Blue RAL 5024



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 (MK6 Or BC CAT6 range) ensures conformity with Class E 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	IEC 61156-5
SYSTEM	ISO 11801 Edition 2 – CLASSE E

Electrical properties

Max. linear electrical resistance : 95 Ω / Km
Mutual capacity (nom.) : 45 pF / m
Characteristic impedance: 100 Ω
Velocity of propagation : 69 %

Other characteristics

Fire behaviour : IEC 60332-1
Operating temperature : - 20° C / + 70°C
Minimum bending radius: 8 x cable diameter
Conform to RoHS directive

REF : VG64

100 Ω U/UTP 4 pairs category 6 cable – 250 MHz – PVC sheath

Transmission performances @20°C

Frequency (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB)	
	(*)Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
4	3.8	3.5	66.3	69	63.3	66	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	60	47.8	60	44.8	57	25.0	28
16	7.6	6.9	57.2	60	54.2	57	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	52	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	48	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	45	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	41	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	39	19.8	27	16.8	24	17.3	23
350	NA	36.2	NA	38	NA	35	16.9	22	NA	19	NA	21

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

(**)NA: not applicable

Ordering information

References	VG64
Pairs Nb	4
AWG	23
Diameter (mm)	6.5
Weight (Kg/Km)	45
Conditioning	305m ; 500m & 1000m