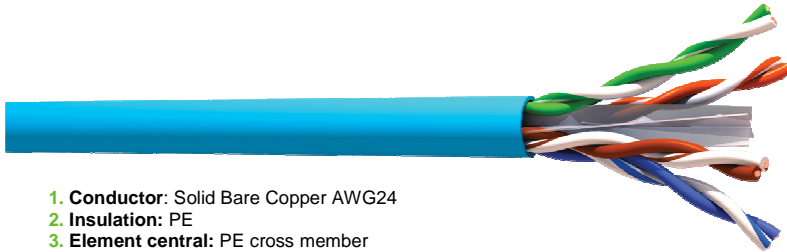
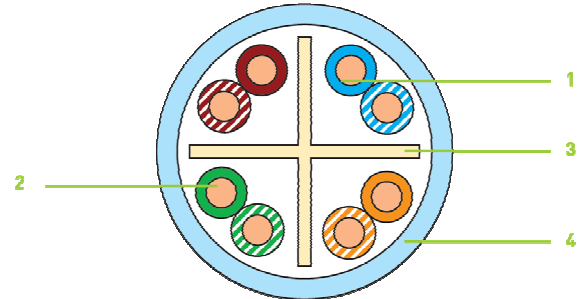


REF : VG64SHA24

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



1. **Conductor:** Solid Bare Copper AWG24
2. **Insulation:** PE
3. **Element central:** PE cross member
4. **Outer jacket:** LSZH –Blue RAL 5024 Ø6,0 mm



Application

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

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

Standards

CABLE	IEC 61156-5
SYSTEM	ISO 11801 Edition 2 – CLASSE E

Electrical properties @20°C

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

Environmental characteristics

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

REF : VG64SHA24

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

Transmission performances @20°C

MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB/100m)		PS NEXT (dB/100m)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB/100m)	
	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
4	3.8	3.7	66.3	69	63.3	67	55.8	63	52.8	56	23.0	25
10	6.0	5.8	60.3	63	57.3	62	47.8	54	44.8	52	25.0	28
16	7.6	7.4	57.2	60	54.2	58	43.7	50	40.7	47	25.0	28
31.25	10.7	10.4	52.9	55	49.9	53	37.9	42	34.9	41	23.6	27
62.5	15.5	14.8	48.4	51	45.4	49	31.9	35	29.1	33	21.5	25
100	19.9	19.0	45.3	48	42.3	47	27.8	31	24.8	29	20.1	25
200	29.1	27.2	40.8	44	37.8	52	21.8	26	18.8	24	18.0	24
250	33.0	30.8	39.3	42	36.3	41	19.8	22	16.8	21	17.3	23

Standard: Values from IEC 61156-5 / Cat 6

Ordering information

References	VG64SHA24
Pairs	4
AWG	24
Outer diameter (mm)	6.0
Weight approx. (Kg/Km)	43
Packaging	500m or 1000m drums