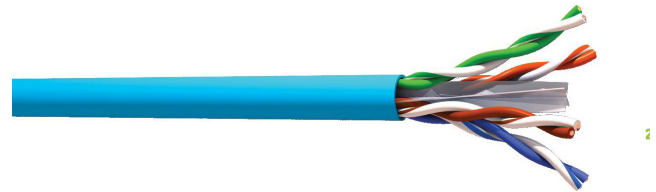
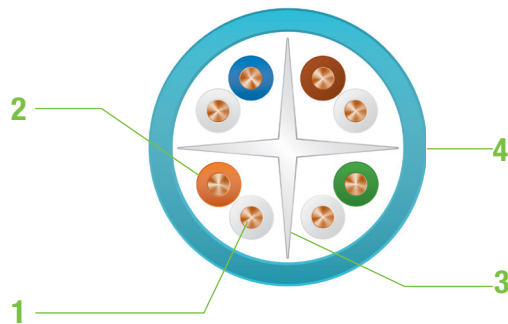




VG6xy

CAT6 U/UTP 4 pairs cable PVC sheath



1. **Conductor** : solid bare copper AWG23
2. **Insulation** : PE HD
3. **Central member** : White or transparent thermoplastic cross
4. **Outer sheath** : PVC - light blue RAL 5024

DESCRIPTIONS

U/UTP cable 4 pairs, VG64x, can be used in horizontal link or vertical configuration as backbone. It constitutes the base of a structured cabling network and can support all the IP application.

Performances of the VG64x exceed the current standards, use with Multimedia Connect connectivity it will ensure conformity with Class E / CAT6 channel.

APPLICATIONS

Ethernet Base T up to 1Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af PoE	

STANDARDS

CABLE	IEC 61156-5 CAT6
SYSTEME	ISO / IEC 11801 Ed2.2 Class E

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	69%



VG6xy

CAT6 U/UTP 4 pairs cable PVC sheath

ENVIRONMENTAL PROPERTIES

CPR Level	Eca
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

(*) standard : values from IEC 61156-5

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (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

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
VG641	CAT6 CABLE U/UTP 4 PAIRS LSZH	6.5 mm	COIL 100M
VG645	CAT6 CABLE U/UTP 4 PAIRS LSZH		DRUM 500M
VG6410	CAT6 CABLE U/UTP 4 PAIRS LSZH		DRUM 1000M
VG64B	CAT6 CABLE U/UTP 4 PAIRS LSZH		BOX 305M
VG64BRIB	CAT6 CABLE U/UTP 4 PAIRS LSZH		REEL IN BOX 305M