

COMPLIANCE

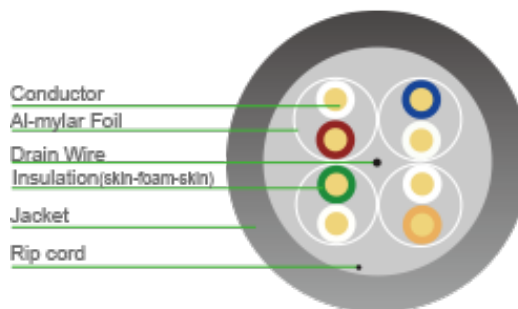
- ISO/IEC 11801
- ANSI/TIA.EIA-568.2-D
- IEC61156-5
- EN50399
- EN50173-1

FEATURES & BENEFITS

- Excellent electrical performance with skin-foam-skin design
- Individually shielded pair to offer good NEXT and ANEXT performance
- Frequency 1-500Mhz, extend to 600MHz
- Available in a variety of LSZH flame retardant cables
- Durable length markings to reduce waste of cable
- Zero halogen, no corrosive gases IEC 60754-1(LSZH)
- Flame propagation IEC 60332-1(LSZH)
- Smoke density IEC 61034-1(LSZH)

TYPICAL APPLICATION

- 10GBASE-T application
- Data cable for structure premised cabling up to class EA application
- Digital and analog voice, video and data signal transmission
- Data Center
- Power over Ethernet (PoE)/PoE+/PoE++



- Color**
- P1:** White-Blue
 - P2:** White-Orange
 - P3:** White-Green
 - P4:** White-Brown

SPECIFICATION

Type			U/FTP CAT6A 4*2*23AWG
Construction			Dimensions
Conductor	Structure AWG	AWG	23
	Material	-	Solid Bare Copper
Insulation	Material	-	Physical Foamed PE
	Diameter	mm	1.38±0.10
Twist	Direction	-	S
Shielding	Material	-	Foil Tape Shield & Drain Wire
Jacket	Material	-	CMR, CM, LSZH, PVC, PE
	Diameter	mm	7.9±0.3
	Average Thickness	mm	0.65±0.1
	Marking	-	VIVANCO SYSTEM COPPER CABLE ***** ** U/FTP CAT 6A 4PAIRS 23AWG ANSI/TIA-568.2-D ***** 001-305M
Installation Temperature Range			0°C ~ +60°C
Operating Temperature Range			- 20°C ~ +60°C



MECHANICAL CHARACTERISTICS

Cable under the minimum tension		≥100N
Conductor elongation		≥15%
Jacket before Aging (LSZH)	Tensile Strength	≥10Mpa
	Elongation	≥125%
Jacket after Aging (LSZH) (100±2°C,168h)	Tensile Strength	≥8Mpa
	Elongation	≥100%
Minimum Bend Radius		4x Overall Diameter

ELECTRICAL CHARACTERISTICS

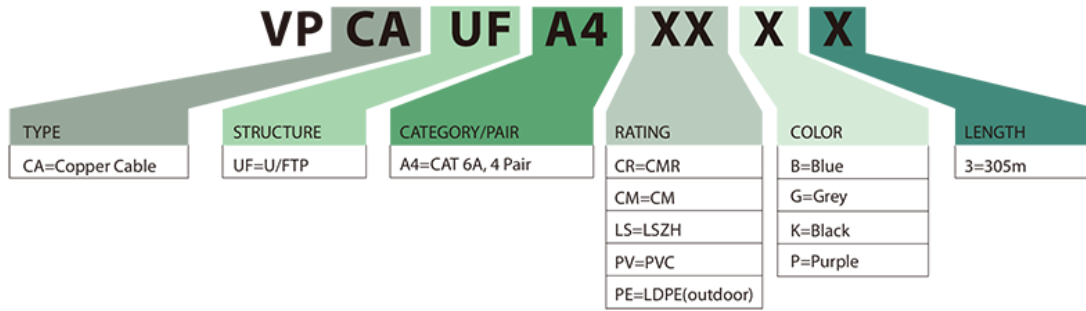
DC Resistance Unbalance (%)	Max 2.0
DC Resistance 20°C	≤95.0 (Ohms/Km)
Insulation Resistance	>5000MΩ×Km
Dielectric strength	DC 1000V, 1min
Mutual Capacitance of a Pair	Max 5.6 nF/100m
NVP	78%

NOMINAL TRANSMISSION CHARACTERISTICS

	Impedance	IL	RL	NEXT	PSNEXT	ACR-F	PS ACR-F
Freq.	Ohms	in dB/100m	dB	dB	dB	dB	dB
in MHz		Max.	Min.	Min.	Min.	Min.	Min.
1	100±15	2.1	20.0	74.3	72.3	67.8	64.8
4	100±15	3.8	23.0	65.3	63.3	55.8	52.8
10	100±15	5.3	25.0	59.3	57.3	47.8	44.8
16	100±15	7.5	25.0	56.2	54.2	43.7	40.7
20	100±15	8.4	25.0	54.8	52.8	41.8	38.8
31.25	100±15	10.5	23.6	51.9	49.9	37.9	34.9
62.5	100±15	15.0	21.5	47.4	45.4	31.9	28.9
100	100±15	19.1	20.1	44.3	42.3	27.8	24.8
200	100±22	27.6	18.0	39.8	37.8	21.8	18.8
300	100±32	34.3	17.3	37.1	35.1	18.3	15.3
400	100±32	40.1	17.3	36.3	33.3	15.8	12.8
500	100±32	45.3	17.3	33.8	31.8	13.8	10.8

Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested

NAME CODING



ORDERING INFORMATION

Part No.	Description	Packaging	Length
VPCAUFA4CRB3	VIVANCO CAT 6A Shielded U/FTP 23AWG CMR BLUE	Wooden drum	305M
VPCAUFA4CRG3	VIVANCO CAT 6A Shielded U/FTP 23AWG CMR GREY	Wooden drum	305M
VPCAUFA4CMB3	VIVANCO CAT 6A Shielded U/FTP 23AWG CM BLUE	Wooden drum	305M
VPCAUFA4CMG3	VIVANCO CAT 6A Shielded U/FTP 23AWG CM GREY	Wooden drum	305M
VPCAUFA4LSP3	VIVANCO CAT 6A Shielded U/FTP 23AWG LSZH PURPLE	Wooden drum	305M
VPCAUFA4PVB3	VIVANCO CAT 6A Shielded U/FTP 23AWG PVC BLUE	Wooden drum	305M
VPCAUFA4PVG3	VIVANCO CAT 6A Shielded U/FTP 23AWG PVC GREY	Wooden drum	305M
VPCAUFA4PEK3	VIVANCO CAT 6A Shielded U/FTP 23AWG PE BLACK	Wooden drum	305M

Note: In this specification, we just list our standard length, color and jacket type, but we can customize as well.