

**COMPLIANCE**

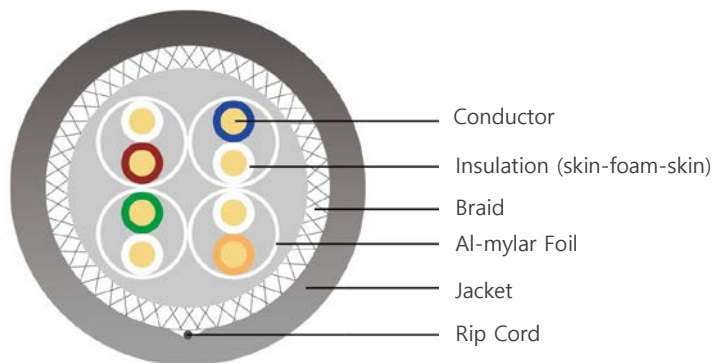
- ISO/IEC 11801
- ANSI/TIA.EIA-568.2-D
- IEC 61156-5
- EN 50399
- EN 50173-1

**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 APPLICATIONS**

- 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**

<b>Type</b>			S/FTP CAT6A 4x2x23AWG
<b>Construction</b>			Dimensions
<b>Conductor</b>	<b>Structure AWG</b>	<b>AWG</b>	23
	<b>Material</b>	-	Solid Bare Copper
<b>Insulation</b>	<b>Material</b>	-	Foamed PE
	<b>Diameter</b>	<b>mm</b>	1.38±0.10
<b>Twist</b>	<b>Direction</b>	-	S
<b>Shielding</b>	<b>Material</b>	-	Foil Tape Shield & Braid Shield
<b>Jacket</b>	<b>Material</b>	-	CMR, CM, LSZH, PVC, PE
	<b>Diameter</b>	<b>mm</b>	8.0±0.3
	<b>Average Thickness</b>	<b>mm</b>	0.60±0.1
	<b>Marking</b>	-	VIVANCO SYSTEM COPPER CABLE ***** ** S/FTP CAT 6A 4PAIRS 23AWG ANSI/TIA-568.2-D ***** 001-305M
<b>Installation Temperature Range</b>			0°C ~+60°C
<b>Operating Temperature Range</b>			- 20°C ~+60°C



**MECHANICAL CHARACTERISTICS**

<b>Conductor elongation</b>		≥15%
<b>Jacket before Aging (LSZH)</b>	<b>Tensile Strength</b>	≥10Mpa
	<b>Elongation</b>	≥125%
<b>Jacket after Aging (LSZH) (100±2°C,168h)</b>	<b>Tensile Strength</b>	≥8Mpa
	<b>Elongation</b>	≥100%
<b>Minimum Bend Radius</b>		4x Overall Diameter

**ELECTRICAL CHARACTERISTICS**

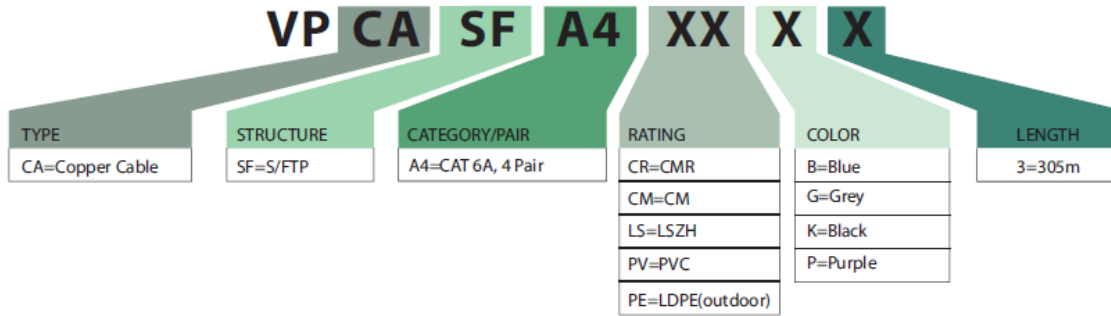
<b>DC Resistance Unbalance (%)</b>	Max 2.0
<b>DC Resistance 20°C</b>	≤95.0(Ohms/Km)
<b>Insulation Resistance</b>	>5000MΩ×Km
<b>Dielectric strength</b>	DC 1000V, 1min
<b>Mutual Capacitance of a Pair</b>	Max 5.6 nF/100m
<b>Pair-to-Ground Capacitance</b>	Unbalance 330 (pF/100m)
<b>NVP</b>	78%

**NOMINAL TRANSMISSION CHARACTERISTICS**

Freq.	Impedance	IL	RL	NEXT	PSNEXT	ACR-F	PS ACR-F
	Ohms	in dB/100m	dB	dB	dB	dB	dB
in MHz		Max.	Min.	Min.	Min.	Min.	Min.
1	100±15	2.1	20.0	75.3	72.3	67.8	64.8
4	100±15	3.8	23.0	66.3	63.2	55.8	52.8
10	100±15	5.3	25.0	60.3	57.3	47.8	44.8
16	100±15	7.5	25.0	57.2	54.2	43.7	40.7
20	100±15	8.4	25.0	55.8	52.8	41.8	38.8
31.25	100±15	10.5	23.6	52.9	49.9	37.9	34.9
62.5	100±15	15.0	21.5	48.4	45.4	31.9	28.9
100	100±15	19.1	20.1	45.3	42.3	27.8	24.8
200	100±22	27.6	18.0	50.8	37.8	21.8	18.8
300	100±32	34.3	17.3	38.1	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	34.8	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
VPCASFA4CRG3	VIVANCO CAT 6A Shielded S/FTP 23AWG CMR GREY	Wooden drum	305M
VPCASFA4CMB3	VIVANCO CAT 6A Shielded S/FTP 23AWG CM BLUE	Wooden drum	305M
VPCASFA4CMG3	VIVANCO CAT 6A Shielded S/FTP 23AWG CM GREY	Wooden drum	305M
VPCASFA4LSP3	VIVANCO CAT 6A Shielded S/FTP 23AWG LSZH PURPLE	Wooden drum	305M
VPCASFA4PVG3	VIVANCO CAT 6A Shielded S/FTP 23AWG PVC GREY	Wooden drum	305M
VPCASFA4PEK3	VIVANCO CAT 6A Shielded S/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.