



**COMPLIANCE**

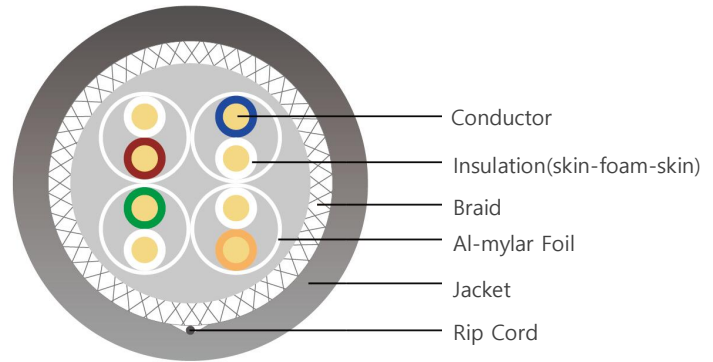
- IEC/ISO 61156-5
- ISO/ IEC 11801

**FEATURES & BENEFITS**

- Features 25 Year System Warranty
- Category 7 Performance to 600 MHz
- Each pair of aluminum foil shield and braided shield
- Wooden drum Packaging
- Operating Frequency 600MHz
- Zero halogen, no corrosive gases IEC 60754-1(LSZH)
- Flame propagation IEC 60332-1(LSZH)
- Smoke density IEC 61034-1(LSZH)

**TYPICAL APPLICATION**

- Suitable for structured premises cabling
- For transmission of digital and analogue voice and data signals.
- Especially suitable for all Class F applications.
- ISDN, Ethernet 10Base-T, Fast Ethernet 100Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T.(IEEE802.3)
- Token Ring1/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE 802.5)



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

<b>Type</b>			S/FTP CAT7 4x2x23AWG
<b>Construction</b>			Dimensions
<b>Conductor</b>	<b>Structure AWG</b>	<b>AWG</b>	23
	<b>Material</b>	-	Solid Bare Copper
	<b>Diameter</b>	<b>mm</b>	0.56±0.008
<b>Insulation</b>	<b>Material</b>	-	PE(Skin-Foam-Skin)
	<b>Diameter</b>	<b>mm</b>	1.38±0.05
	<b>Average Thickness</b>	<b>mm</b>	0.41±0.05
<b>Twist</b>	<b>Direction</b>	-	S
<b>Shielding</b>	<b>Material</b>	-	Foil Tape Shield & Braid Shield
	<b>Overlap Rate</b>	-	20%
<b>Jacket</b>	<b>Material</b>	-	CM, LSZH, PVC, PE
	<b>Diameter</b>	<b>mm</b>	8.3±0.3
	<b>Average Thickness</b>	<b>mm</b>	0.6±0.1
	<b>Marking</b>	-	VIVANCO SYSTEM COPPER CABLE ***** ** S/FTP CAT 7 4PAIRS 23AWG ISO/IEC11801 ***** 001-305M
<b>Installation Temperature Range</b>			0°C ~+50°C
<b>Operating Temperature Range</b>			- 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)	Tensile Strength	≥8Mpa
	Elongation	≥100%
Minimum Bend Radius		8x overall diameter

**ELECTRICAL CHARACTERISTICS**

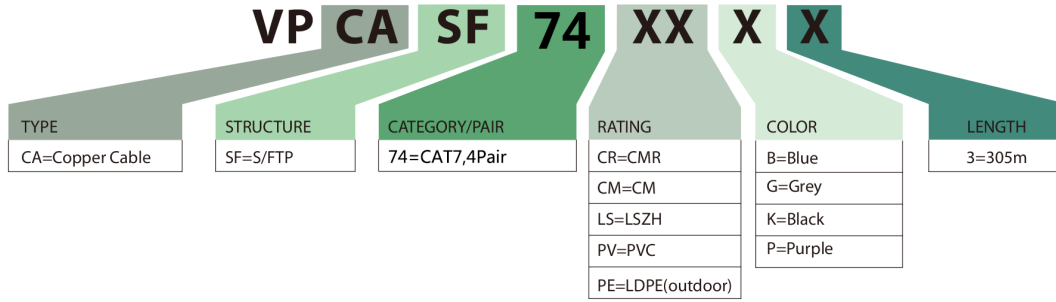
DC Resistance Unbalance (%)	Max 2.5
DC Resistance 20°C	≤93.8(Ohms/Km)
Insulation Resistance	>5000MΩ×Km
Dielectric Strength	DC 2500V 2S
Mutual Capacitance of a Pair	Max 5.6 nF/100m
Pair-to-Ground Capacitance	Unbalance 330 (pF/100m)
Operating Voltage	Max 48V
NVP	78%

**NOMINAL TRANSMISSION CHARACTERISTICS**

	Impedance	IL	RL	DOP	SKEW	NEXT	PSNEXT	ACR-F	PS ACR-F
Freq.	Ohms	in dB/100m	dB	ns/100m	ns/100m	dB	dB	dB	dB
in MHz		Max.	Min.	Max.	Max.	Min.	Min.	Min.	Min.
4	100±15	3.7	23	552	45	78	75	78	60.8
8	100±15	5.2	24.5	547	45	78	75	77.2	74.2
10	100±15	5.9	25	545	45	78	75	75.3	72.3
16	100±15	7.4	25	543	45	78	75	71.2	68.2
20	100±15	8.3	25	542	45	78	75	69.3	66.3
25	100±15	9.3	24.3	541	45	78	75	67.3	64.3
31.25	100±15	10.4	23.6	540	45	78	75	65.4	62.4
62.5	100±15	14.9	21.5	539	45	75.5	72.5	59.4	56.4
100	100±15	19	20.1	538	45	72.4	69.4	55.3	52.3
200	100±22	27.5	18	537	45	67.9	64.9	49.3	46.3
250	100±32	31	17.3	536	45	66.4	63.4	47.3	44.3
300	100±32	34.2	17.3	536	45	65.2	62.2	45.8	42.8
400	100±32	40	17.3	536	45	63.4	60.4	43.3	40.3
500	100±32	45.3	17.3	536	45	61.9	58.9	41.3	38.3
600	100±32	50.1	17.3	535	45	60.7	57.7	39.7	36.7

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

NAME CODING



ORDERING INFORMATION

Part No	Description	Packaging	Length
VPCASF74CMB3	VIVANCO CAT 7 Shielded S/FTP 23AWG-CM BLUE	Wooden drum	305M
VPCASF74LSP3	VIVANCO CAT 7 Shielded S/FTP 23AWG-LSZH PURPLE	Wooden drum	305M
VPCASF74PVG3	VIVANCO CAT 7 Shielded S/FTP 23AWG-PVC GRAY	Wooden drum	305M
VPCASF74PEK3	VIVANCO CAT 7 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.