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


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REF.	DESCRIPTION
632781	CABO CMX CAT5E UTP AZUL - LINKEO
 6302750	CABO CAT5E U/UTP 24 AWG LSZH - CINZA
 63030114	CABO CAT5E U/UTP 24 AWG LSZH - AZUL

2		PMEP 144/24 – Inclusão de Nova Oferta	03/10/2024	B. RODRIGUES	F. LEITE
1		PMEP 745/17 – Alteração Etiqueta e Embalagem	06/12/2017	B. RODRIGUES	F. LEITE
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REV.	ETAT	MODIFICATION	DATE	DESSINE / DRAWN	APPROUVE / APPROVED
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-		SITE: ITU-BRAZIL	B. RODRIGUES	J. SOUSA	F. LEITE
TOLERANCE:		DESIGNATION:  <b>CABO CAT 5E U/UTP (BRAZIL)</b>			
-					
ECHELLE /SCALE:					
-		<b>A4</b>			
 				N° Plan / Drawing N°.	Variant
				S000096922	REV.
					2
Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization					FEUILLE SHEET: 1 / 6

## INDEX

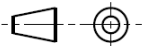

CONSTRUCTION .....	3
ELECTRICAL CHARACTERISTICS (at 20°C).....	3
SHEATH COLOR, MATERIAL AND LENGTH .....	4
MECHANICAL CHARACTERISTICS .....	4
ENVIRONMENTAL CHARACTERISTICS .....	4
STANDARDS .....	4
GENERAL .....	4
CUSTOMIZED MARKING ON CABLE CMX .....	5
CUSTOMIZED MARKING ON CABLE LSZH .....	5
CUSTOMIZED MARKING ON CABLE CM .....	6
ANATEL NUMBER.....	6
PACKING.....	6

2	PMEP 144/24 – Inclusão de Nova Oferta	03/10/2024	B. RODRIGUES	F. LEITE
1	PMEP 745/17 – Alteração Etiqueta e Embalagem	06/12/2017	B. RODRIGUES	F. LEITE
0	PMEP 127/17 – Initial Creation	13/03/17	B. RODRIGUES	F. LEITE
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ECHELLE /SCALE:	<b>A4</b>

		N° Plan / Drawing N°.	Variant	REV.
		S000096922		2

Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization	FEUILLE SHEET: 2 / 6
--	-------------------------

1

2

3

4

**CONSTRUCTION****CONDUCTOR**

Spec	24 AWG
Nominal Diameter	0,495 mm $\pm$ 0,005
Material	Solid Cooper (BC)
Number of Conductor (Assembling)	4*2pairs (4P)

**INSULATION**

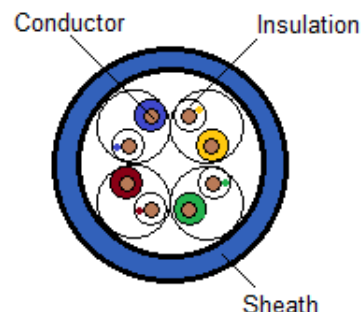
Diameter	0,9 mm $\pm$ 0,01
Material	Color-coded PE (Polyethylene)
Thickness	$\geq$ 0,18 mm

**TWISTED PAIR**

Pair Color Code	1- Blue – White/Blue 2- Orange – White/Orange 3- Green – White/Green 4- Brown – White/Brown
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**OUTER SHEATH (JACKET)**

Material	ROHS PVC (Flame Retardant)
Flammability Class	CMX CM LSZH
Nominal Diameter	4,8 mm $\pm$ 0,1
Thickness	0,5 mm $\pm$ 0,05
Ripcord	No
Cross Separator	No
Screen	Unscreened

**ELECTRICAL CHARACTERISTICS (at 20°C)**

Frequency	1 to 100 MHz
DC Conductor resistance (Max)	9,38 Ohms/100m
Insulation resistance (min)	10000 M $\Omega$ .km
Propagation velocity (min)	70%
Characteristic Impedance (Zc)	100 $\Omega$ $\pm$ 15% 1 to 100 MHz
Mutual Capacitance at 1KHz (pF/m)	56
Max. Pair to Ground Capacitance Unbalance (pF/m)	1,6
Max. Resistance Unbalance (%)	5%
Maximum Time Delay (ns/100m)	570 @ 1 MHz 540 @ 10 MHz 530 @ 100 MHz

2		PMEP 144/24 – Inclusão de Nova Oferta	03/10/2024	B. RODRIGUES	F. LEITE
1		PMEP 745/17 – Alteração Etiqueta e Embalagem	06/12/2017	B. RODRIGUES	F. LEITE
0		PMEP 127/17 – Initial Creation	13/03/17	B. RODRIGUES	F. LEITE
REV.	ETAT	MODIFICATION	DATE	DESSINE / DRAWN	APPROUVE / APPROVED

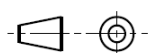
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MATIERE /RAW-MATERIAL	DATE: 13/03/2017	DESSINE / DRAWN:	VERIFIE / CHECKED:	APPROUVE / APPROVED:
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**A4****CABO CAT 5E U/UTP (BRAZIL)****legrand®**

N° Plan / Drawing N°.

S000096922

Variant

REV.

2

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Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization

FEUILLE  
SHEET: 3 / 6

1

2

3

4

**SHEATH COLOR, MATERIAL AND LENGTH**

Part Number	Description	Color	Flammability	Length
632781	CABO CMX CAT5E UTP AZUL - LINKEO	Blue RAL 5012	CMX	305 m
6302750	CABO CAT5E U/UTP 24 AWG LSZH - CINZA	GREY – RAL 7035	LSZH	305 m
63030114	CABO CAT5E U/UTP 24 AWG LSZH - AZUL	Blue RAL 5012	LSZH	305 m

**MECHANICAL CHARACTERISTICS**

Bending Radius With Load	8xD
Bending Radius without Load	4xD

**ENVIRONMENTAL CHARACTERISTICS**


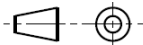

Transport & Storage Temperature	0°C to +50°C
Operating Temperature	-20°C to +60°C

**STANDARDS**

US	ANSI/IA 568-C.2
EN	Cabling: Series EN 50173 Cable: EN 50288-3.1
ISO/IEC/UL	Cabling: IEC 11801 second edition and amendment 1 and 2 Cable: IEC 61156-5 and 60332-1 CMX (UL 2556 VW-1) CM (IEC 60332-3-25) LSZH (IEC 60332-3-25)
ABNT NBR	ABNT NBR 14703:2005 ANBT NBR 9141:1998 ANBT NBR 9148:1998 ANBT NBR 14705:2006

**GENERAL**

Category	Cat 5E
Shield	UTP (Unshielded Twisted Pair)
Application	Internal
Nominal Bid	305 Meters
Packaging	Box
Weight Gross	28 Kg/Km

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ECHELLE / SCALE:		CABO CAT 5E U/UTP (BRAZIL)				
-		A4				
				Nº Plan / Drawing Nº.	Variant	REV.
				S000096922		2
Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization					FEUILLE SHEET: 4 / 6	

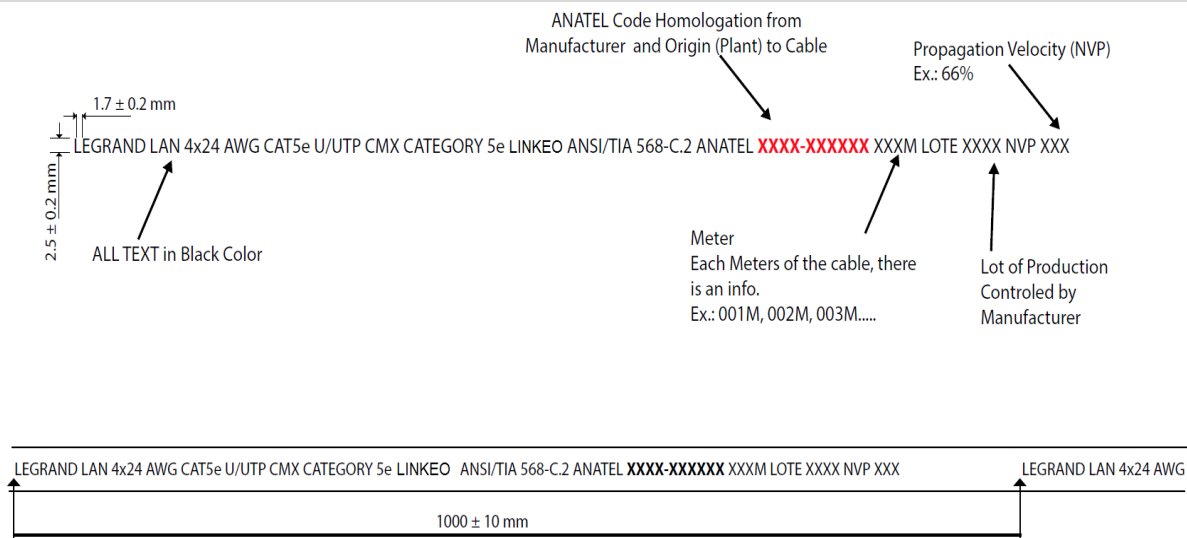
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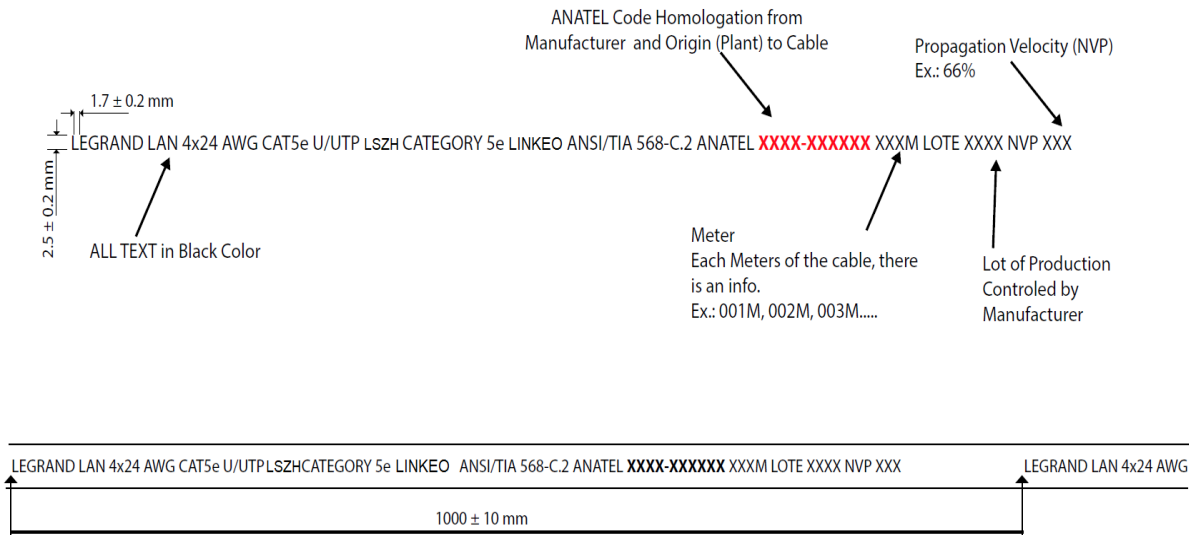
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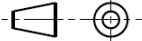

4

## CUSTUMIZED MARKING ON CABLE CMX



## CUSTUMIZED MARKING ON CABLE LSZH



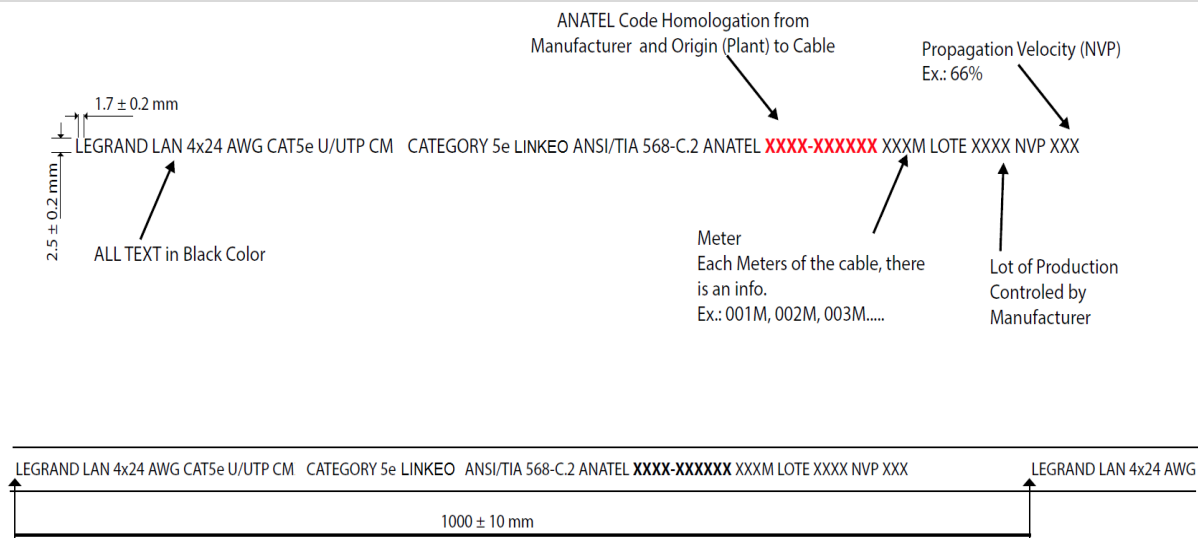
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				S000096922	REV.
					2
Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization					FEUILLE SHEET: 5 / 6

1

2

3

4

**CUSTOMIZED MARKING ON CABLE CM****ANATEL NUMBER**

Check the Specification File - S000100655 to check the ANATEL number by Reference x Supllier approved. For this product use the sheet "Cabos de Transmissão"

**PACKING**

Check the Specification File - S000099724 for the Label and LA03053AA for the package.

2		PMEP 144/24 – Inclusão de Nova Oferta	03/10/2024	B. RODRIGUES	F. LEITE
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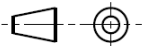

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TOLERANCE: -

DESIGNATION: **CABO CAT 5E U/UTP (BRAZIL)**

ECHELLE /SCALE: **A4**

		N° Plan / Drawing N°.	Variant	REV.
		S000096922		2

Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation  
Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization

FEUILLE SHEET: 6 / 6