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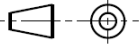

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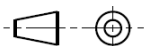

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REF.	DESCRIPTION
6302755	CABO CAT6 U/UTP 23 AWG LSZH HD - AZUL
63030116	CABO CAT6 U/UTP 23 AWG LSZH HD - VERMELHO
63030115	CABO CAT6 U/UTP 23 AWG LSZH HD - CINZA

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REV.	ETAT	MODIFICATION	DATE	DESSINE / DRAWN	APPROUVE / APPROVED
 DERNIERE MODIFICATION / LAST MODIFICATION					
MATIERE /RAW-MATERIAL		DATE: 13/03/2017	DESSINE / DRAWN:	VERIFIE / CHECKED:	APPROUVE / APPROVED:
-		SITE: ITU-BRAZIL	B. RODRIGUES	J. SOUSA	F. LEITE
TOLERANCE:		DESIGNATION:			
-		<b>CABO CAT 6 U/UTP HD (BRAZIL)</b>			
ECHELLE /SCALE:					
-					
				Nº Plan / Drawing Nº.	Variant
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Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization					FEUILLE SHEET: 1 / 7

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**CONSTRUCTION****CONDUCTOR**

Spec	23 AWG
Material	Solid Cooper (BC)
Number of Conductor (Assembling)	4*2pairs (4P)

**INSULATION**

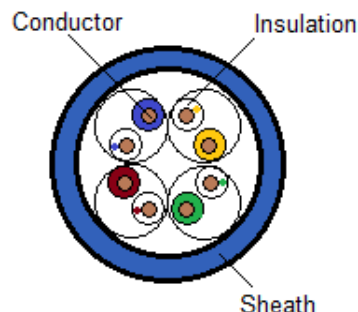
Diameter	0,9 mm ± 0,01
Material	Color-coded PE (Polyethylene)
Thickness	≥0,18 mm

**TWISTED PAIR**


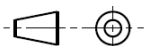

Pair Color Code	1- Blue – White/Blue 2- Orange – White/Orange 3- Green – White/Green 4- Brown – White/Brown
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**OUTER SHEATH (JACKET)**

Material / Flammability Class	ROHS (Flame Retardant)		
		PVC CM	EVA LSZH
Nominal Diameter	5,8 mm ± 0,1		
Thickness	0,5 mm ± 0,05		
Ripcord	Yes (PE Material)		
Cross Separator	No		
Screen	Unscreened		

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

Frequency	1 to 250 MHz
DC Conductor resistance (Max)	9,0 Ω/100m
Insulation resistance (min)	5 G Ω. Km
Propagation velocity (min)	67%
Characteristic Impedance (Zc)	100 Ω ± 15% 1 to 100 MHz
Mutual Capacitance at 1KHz (pF/m)	54
Max. Pair to Ground Capacitance Unbalance (pF/m)	4
Max. Resistance Unbalance (%)	2%

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ECHELLE /SCALE:		CABO CAT 6 U/UTP HD (BRAZIL)			
-		A4			
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Frequência [MHz]	ACR (min)	PSACR (min)	Insertion Loss (max)	NEXT (min)	PSNEXT (min)	Return Loss (min)	Propagation delay (max)
1	63,1	63,1	1,9	63,8	66,2	19,5	540
4	49,9	49,9	3,5	62,7	66,5	21,4	530
10	45,8	45,8	5,5	57,0	58,9	22,0	530
20	35,2	35,2	7,9	51,1	54,5	19,5	500
62,5	27,0	27,0	14,4	43,0	47,2	19,8	495
100	21,9	21,9	18,6	41,1	42,3	17,2	495
200	16,1	16,1	27,4	35,3	38,0	14,4	495
250	16,1	16,1	31,1	33,7	35,8	13,1	495
300	10,7	13,7	32,7	31,4	33,0		495
350	8,2	11,2	38,4	27,1	28,0		495

(2)Values in dB/100m or os. Values above 250 MHz for informational purposes only.

#### SHEATH COLOR, MATERIAL AND LENGTH


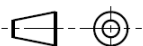

Part Number	Description	Color	Flammability	Length
6302755	CABO CAT6 U/UTP 23 AWG LSZH HD - AZUL	Blue RAL 5012	LSZH	305 m
63030116	CABO CAT6 U/UTP 23 AWG LSZH HD - VERMELHO	Red – RAL 3020	LSZH	305 m
63030115	CABO CAT6 U/UTP 23 AWG LSZH HD - CINZA	Gray RAL 5035	LSZH	305 m

#### 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

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-		CABO CAT 6 U/UTP HD (BRAZIL)			
ECHELLE /SCALE:		A4			
				Nº Plan / Drawing N°.	Variant
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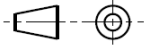

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**STANDARDS**

US	ANSI/IA 568-C.2
EN	Cabling: Series EN 50173 Cable: EN 50288-3.1
ISO/IEC	Cabling: IEC 11801 second edition and amendment 1 and 2 Cable: IEC 61156-5 and 60332-1 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 6
Shield	UTP (Unshielded Twisted Pair)
Application	Internal
Nominal Bid	305 Meters
Packaging	Box
Weight Gross	55 Kg/Km

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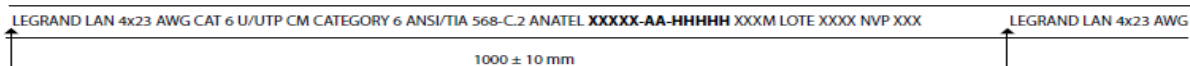
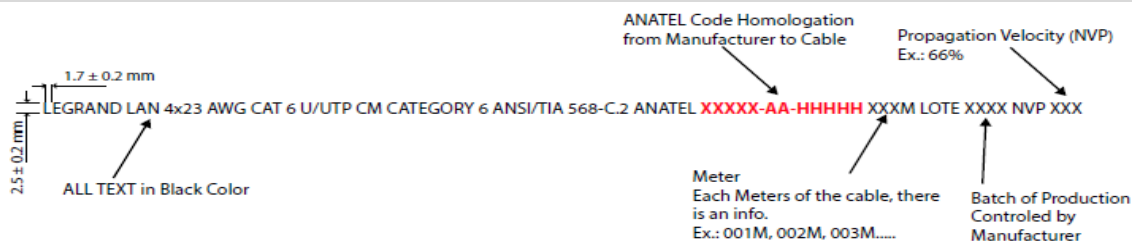
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## CUSTUMIZED MARKING ON CABLE CMX

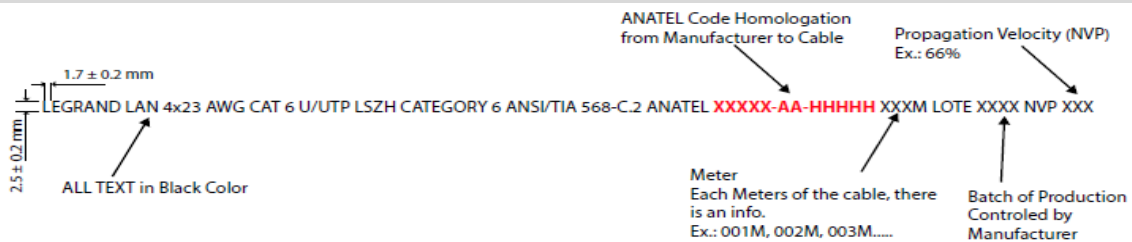


## ANATEL NUMBER

**XXXXX-AA-HHHHH**

5 Digits | 5 Digits | 2 Digits

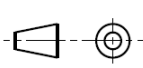
## CUSTUMIZED MARKING ON CABLE LSZH



## ANATEL NUMBER

**XXXXX-AA-HHHHH**

5 Digits | 5 Digits | 2 Digits

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ECHELLE /SCALE:	CABO CAT 6 U/UTP HD (BRAZIL)			
A4				
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Propriete LEGRAND FRANCE – Communication a des tierts interdite sans son autorisation Property LEGRAND FRANCE – Communication with thirds forbidden without its authorization				FEUILLE SHEET: 6 / 7

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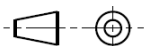

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**ANATEL NUMBER**

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 - S000100560 for the Label and LA03053AA for the package.

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ECHELLE /SCALE:					
-					
				N° Plan / Drawing N°.	Variant
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