

## REF NO: CAU6LUDCA

### PRODUCT DESCRIPTION

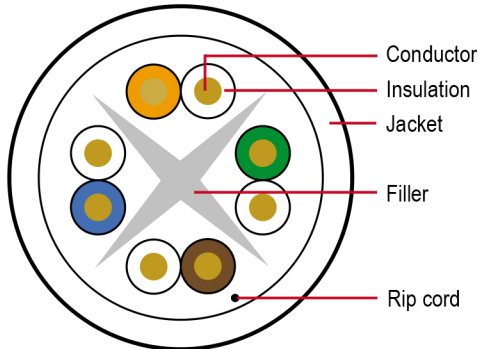
#### Standard Reference:

ISO/IEC 11801 :2011  
IEC 61156-5 :2012  
EN 13501-6  
EN 50173-1 :2011  
EN 50173-2 :2007 including amendment A1:2010  
EN 50288-9-1 :2012  
EN 50288-4  
EN 50575 :2014+A1:2016  
EN 50399 :2011+A1:2016  
EN 60332-1[1,2], 60332-3C, 60754-[1,2], 61034-[1,2]  
ANSI/TIA-568-6-2 :2009

- Rated temperature: 90°C
- Installation temperature: -30°C~+50°C
- RoHS complied
- DoP n°: 1186774
- CPR Class: **Dca-s2,d0,a1**

#### Application:

- VoIP,ISDN
- Token, 100M TP-PDM
- Analong and Data Vicoe
- TR-16 Active and Passive
- 115M/662m/1.2GATM
- IEEE802.3: 100Base;100Base-T 1GBase-T



#### CABLE CONSTRUCTION

Conductor	Material	SOLID Bare Copper
	Nom.O.D (mm)	0.55±0.005mm
<b>Insulation</b>	<b>Material</b>	<b>HPDE</b>
Insulation Diam. ø		0.98±0.03mm
Thickness		AVG: 0.55mm, MIN: 0.29mm
Twisted pair (4) Unshielded	Filler	PE: 4.8*0.4
	Rip cord	yes
Jacket LSZH-RoHS	Thickness	AVG: 0.55mm ±0.05mm
	Outer Diam. ø	6.0±0.40mm
Code Color	Jacket Color (standard)	White: RAL 9016 
	1 White / Blue	2 White / Orange
	3 White / Green	4 White / Brown
Packing	1 Wooden drum (& carton Box, 2)	
Dimension - Weight	35x36x31cm - 43Kg/Km	
Packing Length	305±1.0m	

#### Technical Performance (100m)

Frequency (MHz)	RL(dB) min.	Attenuation (dB/100m) max.	NEXT (dB/100m)	ACR (dB)
1	20.0	2.0	74.3	72.28
4.0	23.0	3.8	65.3	61.49
8.0	24.5	5.3	60.8	55.43
10.0	25.0	6	59.3	53.35
16.0	25.0	7.6	56.2	48.68
20.0	25.0	8.5	54.8	46.31
25.0	24.3	9.5	53.3	43.83
31.25	23.6	10.7	51.9	41.20
62.5	21.5	15.4	47.7	31.98
100	20.1	19.8	44.3	24.50
200	18.0	9	39.8	14,60
250	17.3	32.8	38.3	9.48

Frequency (MHz)	ELFEXT (dB/100m)	PSNEXT (dB/100m)	PSELFEXT (dB/100m)	Impedance (Ohms)
1	67.8	72.3	64.8	100±15
4	55.8	63.3	52.8	
8	49.7	58.8	46.7	
10	47.8	57.3	44.8	
16	43.7	54.2	40.7	
20	41.8	52.8	38.8	
25	39.8	41.3	36.8	
31.25	37.9	49.9	34.9	
62.5	31.9	45.4	28.9	
100	27.8	42.3	24.8	
200	21.8	37.8	18.8	
250	19.8	36.3	16.8	

#### Characteristics

Max. Conductor DC Resistance at 20°C (Ω/Km)	<93.8
Rated Temperature (°C)	75
Rated Voltage (V)	300V
Velocity ratio	68%
Delay (ns/100m)	