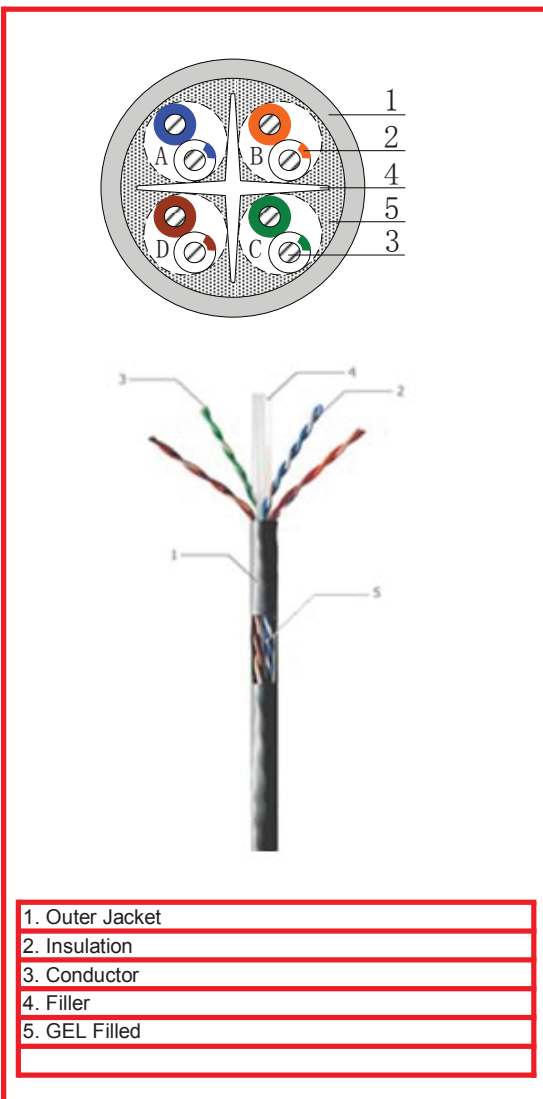


## 4P 23AWG U/UTP CAT6 GEL FILLED PE JACKET /Part No.:LN-A0423AUC6-ENS-061

Description	Application
<ul style="list-style-type: none"> <li>● Rated temperature: 60 °C</li> <li>● Reference standard:UL444, ANSI/TIA-568-C.2 IEC 61156-5 &amp; IEC/ISO 11801</li> <li>● Product standard certification:</li> <li>● Flame test:</li> <li>● Solid bare copper conductor</li> <li>● Color-coded PE insulation</li> <li>● PE jacket</li> <li>● Packaging: Per customer request</li> </ul>	<ul style="list-style-type: none"> <li>● 100Base-T4</li> <li>● 100Base-TX</li> <li>● 100VG-AnyLAN</li> <li>● 1000Base-T</li> <li>● 1000Base-TX</li> <li>● 155Mbps ATM</li> <li>● 622Mbps ATM</li> </ul>

Product Figure	Physical Characteristics
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<b>Structure</b>	Construction	U/UTP
	Number of pairs	4Pair
	AWG	23 AWG
	Conductor dimension (mm)	0.570±0.02 mm
<b>Insulation</b>	Insulation Material	Foam PE
	Insulation dimension (mm)	1.10±0.08mm
	Number colour ( stripe marking)	A.Blue , White/Blue(stripe) B.Orange , White/Orange(stripe) C.Green , White/Green(stripe) D.Brown , White/Brown(stripe)
	Individual shield & material	N/A
<b>Filler</b>	Cross-divider Material	PE
	Flooding Compound	GEL
<b>Shield</b>	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage (%)	N/A
	Twisting lay length	<=30 mm
<b>Cabling</b>	Cabling lay length	<=200 mm
	Outer jacket material	LLD-PE
<b>Outer jacket</b>	Overall dimension (mm)	6.70±0.30mm
	Outer jacket nominal thickness	0.70 mm
	Outer jacket rip cord	NO
	Operating temp. range	-20 °C ~ +60 °C
<b>Mechanical characteristics</b>	Bulk cable weight approx	52 kg/km
	Max. recommended pulling tension	110 N
	Min. bend radius (install)	4 x O.D.
	Outer jacket tensile strength	>= 9.7 Mpa
	Outer jacket elongation	>=350%
	Outer jacket aging condition	100°C x 48 hrs
	After aging, tensile strength	>=75% of Unaging
	After aging, elongation	>=75% of Unaging
	Cold bend	No Crack (@ -20 °C x 4 hrs)
	<b>Electrical characteristics</b>	Nom. mutual capacitance
Max. capacitance unbalance		<=160 pF/100m @1KHz
Nominal velocity of propagation		66%
Max. delay skew		45 ns/100m
Max. conductor resistance		8.9Ω/100m (@ 20 °C)
Max. conductor resistance unbalance		<=2% (@ 20 °C)
Min. insulation resistance		5000 MΩ· Km
Max. operating voltage		300 V

\* Custom configuration is available upon request.

\* Customer P/N:



**Marking**

TBD.	
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**Electrical Characteristics**

Frequency	Characteristic impedance	RL	ATT	NEXT	PSNEXT	ELFEXT	PSELFEXT	PD				
(MHz)	(Ω)	(dB)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(ns/100m)				
1	100±15	20.0	2.03	74.3	72.3	67.8	64.8	570.0				
4	100±15	23.0	3.78	65.3	63.3	55.8	52.8	552.0				
10	100±15	25.0	5.95	59.3	57.3	47.8	44.8	545.4				
16	100±15	25.0	7.55	56.2	54.2	43.7	40.7	543.0				
20	100±15	25.0	8.47	54.8	52.8	41.8	38.8	542.0				
31.25	100±15	23.6	10.67	51.9	49.9	37.9	34.9	540.0				
62.5	100±15	21.5	15.38	47.4	45.4	31.9	28.9	538.6				
100	100±15	20.1	19.80	44.3	42.3	27.8	24.8	537.6				
125	100±22	19.4	22.36	42.8	40.8	25.9	22.9	537.2				
200	100±22	18.0	28.98	39.8	37.8	21.8	18.8	536.5				
250	100±22	17.3	32.85	38.3	36.3	19.8	16.8	536.3				

Remark :

Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.

