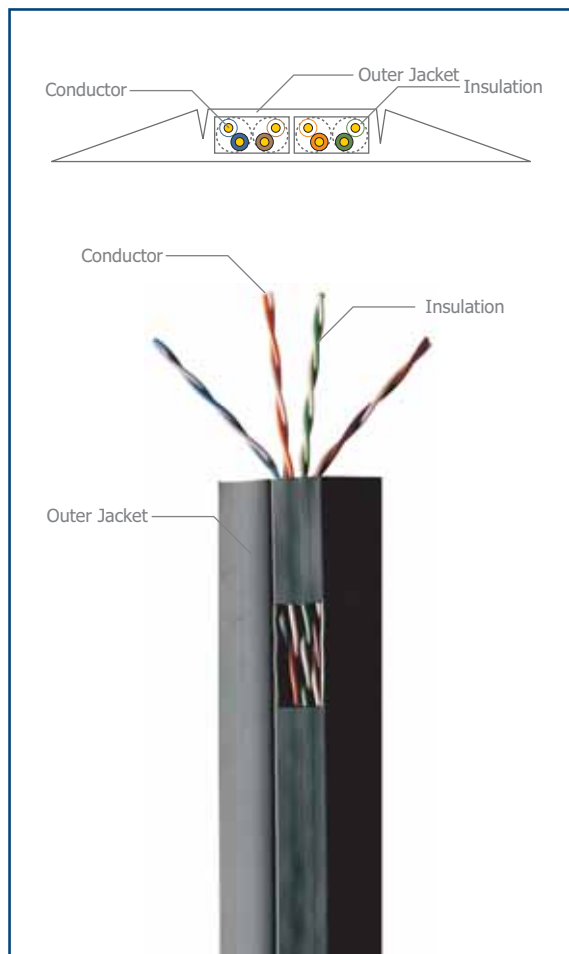


**4PR 23AWG U/UTP Undercarpet CAT6 / Part No.: LN-D0423AUC6**

Description	Application
<ul style="list-style-type: none"> <li>Related temperature: 75°C</li> <li>Reference Standard: UL Subject 444, EIA/TIA 568B.2-1 &amp; ISO/IEC 11801, IEC 61156</li> <li>Solid bare copper conductor</li> <li>Colour-coded PE insulation</li> <li>PVC or LSZH jacket</li> <li>Packaging: Reel</li> </ul>	<ul style="list-style-type: none"> <li>100 Base-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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\* Custom configuration is available upon request.

<b>Structure</b>	<b>Construction</b>	U/UTP
	<b>Number of Pairs</b>	4 Pair
	<b>AWG</b>	23 AWG
	<b>Conductor Dimension (mm)</b>	0.585(23AWG)
<b>Insulation</b>	<b>Solid or Stranded; Bare or Tinned</b>	Solid bare copper
	<b>Insulation Material</b>	HDPE, FRPE
	<b>Insulation Dimension (mm)</b>	1.04(23AWG)
	<b>Number Colour (Ring or Strip Marking)</b>	1.White/Blue(Ring) & Blue 2.White/Orange(Ring) & Orange 3.White/Green(Ring) & Green 4.White/Brown(Ring) & Brown
<b>Shield</b>	<b>Cross Filler</b>	Yes
	<b>Individual Shield &amp; Material</b>	No
	<b>Outer Shield &amp; Material</b>	No
<b>Outer Jacket</b>	<b>Drain Wire</b>	No
	<b>Outer Jacket Material</b>	PVC or LSZH
	<b>Outer Jacket Ripcord</b>	Per customer request
<b>Mechanical Characteristics</b>	<b>Overall Nominal Diameter (mm)</b>	23AWG UTP nom: WxH=30x3.2 mm
	<b>Operating Temp. Range</b>	-20~75°C
	<b>Bulk Cable Weight (KG)</b>	88KG (23AWG)
	<b>Max. Recommended Pulling Tension</b>	110N
	<b>Min. Bend Radius (Install)</b>	25.4mm
	<b>Flame Test</b>	CMX, CM, CMG, CMR
	<b>Electrical Characteristics</b>	<b>Nom. Mutual Capacitance @ 1kHz</b>
<b>Max. Capacitance Unbalance (pF/100m)</b>		≤ 330pF/100M(Per TIA/EIA-568B.2) ≤ 160pF/100M(Per IEC 61156)
<b>Nominal Velocity of Propagation</b>		65%
<b>Max. Delay Skew (ns/100m)</b>		≤ 45ns /100M
<b>Max. Conductor DC Resistance @ 20 Deg. C</b>		7.32Ω /100M(23AWG)
<b>Max. DC Resistance Unbalance @ 20 Deg. C</b>		≤ 5%(Per TIA/EIA-568B.2) ≤ 2%(Per IEC 61156-5)
<b>Max. Insulation Resistance (MΩ/km)</b>		5000
<b>Max. Operating Voltage-UL</b>	300V	



**4PR 23AWG U/UTP Undercarpet CAT6 / Part No.: LN-D0423AUC6**
**TIA/EIA-568B.2 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELEFEXT (dB)	PSELFEXT (dB)	PD (ns/100m)
1	100 ± 15	2.0	20.0	77.3	75.3	70.8	68.8	570.0
4	100 ± 15	3.8	23.0	68.3	66.3	58.8	56.8	552.0
8	100 ± 15	5.3	24.5	63.8	61.8	52.7	50.7	546.7
10	100 ± 15	6.0	25.0	62.3	60.3	50.8	48.8	545.4
16	100 ± 15	7.6	25.0	59.2	57.2	46.7	44.7	543.0
20	100 ± 15	8.5	25.0	57.8	55.8	44.8	42.8	542.0
25	100 ± 15	9.5	24.3	56.3	54.3	42.8	40.8	541.2
31.25	100 ± 15	10.7	23.6	54.9	52.9	40.9	38.9	540.4
62.5	100 ± 15	15.4	21.5	50.4	48.4	34.9	32.9	538.6
100	100 ± 15	19.8	20.1	47.3	45.3	30.8	28.8	537.6
200	100 ± 22	29.0	18.0	42.8	40.8	24.8	22.8	536.5
250	100 ± 22	32.8	17.3	41.3	39.3	22.8	20.8	536.3
300	100 ± 25	36.4	16.8	40.1	38.1	21.3	19.3	536.1

**IEC-61156-5 Electrical Characteristics**

Frequency (MHz)	Input Impedance (Ohms)	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELEFEXT (dB)	PSELFEXT (dB)
4	100 ± 15	3.8	23.0	66.3	63.3	56.0	53.0
8	100 ± 15	5.4	24.5	61.8	58.8	49.9	46.9
10	100 ± 15	6.0	25.0	60.3	57.3	48.0	45.0
16	100 ± 15	7.6	25.0	57.2	54.2	43.9	40.9
20	100 ± 15	8.5	25.0	55.8	52.8	42.0	39.0
25	100 ± 15	9.6	24.3	54.3	51.3	40.0	37.0
31.25	100 ± 15	10.7	23.6	52.9	49.9	38.1	35.1
62.5	100 ± 15	15.5	21.5	48.4	45.4	32.1	29.1
100	100 ± 15	19.9	20.1	45.3	42.3	28.0	25.0
200	100 ± 22	29.1	18.0	40.8	37.8	22.0	19.0
250	100 ± 22	33.0	17.3	39.3	36.3	20.0	17.0

