

# KPC6642

## Base Product



PowerSUM D8PS Stranded Cordage Modular Patch Cord (Megapack of 100)

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Twisted pair patch cord
<b>Product Brand</b>	PowerSUM
<b>Product Series</b>	KPC
<b>Ordering Note</b>	Cords < 1 m are valid elements for use in a channel or as an equipment interconnect but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords   Cords > 1 m are authorized for use in channels and are an effective standalone method used to connect active devices

## General Specifications

<b>ANSI/TIA Category</b>	5e
<b>Cable Type</b>	U/UTP (unshielded)
<b>Conductor Type</b>	Stranded
<b>Interface, Connector A</b>	RJ45 plug
<b>Interface Feature, connector A</b>	Standard
<b>Interface, Connector B</b>	RJ45 plug
<b>Interface Feature, connector B</b>	Standard
<b>Jacket Color</b>	Black   Blue   Dark gray   Light blue   Lilac   Orange   Red   Spring green   White   Yellow
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	IEEE 802.3bt Type 4
<b>Wiring</b>	T568B

## Dimensions

# KPC6642

---

<b>Cable Assembly Length Range (m)</b>	1 – 2
<b>Cable Assembly Length Range (ft)</b>	1 – 7
<b>Cable Assembly Length Range (cm)</b>	15 – 200
<b>Cable Assembly Length Range (in)</b>	6 – 84
<b>Diameter Over Jacket</b>	5.72 mm   0.225 in
<b>Compatible Conductor Gauge, stranded</b>	24 AWG

## Wiring Diagram

	Connector A	Connector B
Position 1	White/Orange	White/Orange
Position 2	Orange	Orange
Position 3	Lt. Green	Lt. Green
Position 4	Blue	Blue
Position 5	Lt. Blue	Lt. Blue
Position 6	Green	Green
Position 7	Lt. Brown	Lt. Brown
Position 8	Brown	Brown

## Electrical Specifications

<b>dc Resistance, maximum</b>	0.3 ohm
<b>Safety Voltage Rating</b>	300 V

## Ordering Tree

# KPC6642

KPC     - <sup>9</sup> <sup>10</sup> <sup>11</sup> <sup>12</sup>

## Outlet Color

9	0	Not applicable
	1	Black
	2	Blue
	3	Gray
	4	Green
	5	Ivory
	6	Orange
	7	Red
	8	White
	9	Yellow
	B	Lilac

## Jacket Color

10	1	Black
	2	Light blue
	3	Dark gray
	4	Spring green
	5	Ivory
	6	Orange
	7	Red
	8	White
	9	Yellow
	B	Lilac
	C	Gray
	K	Pink
	L	Violet
	M	Green
	Z	Blue

## UOM

11	F	Foot
	M	Meter
	N	Inch
	C	Centimeter

## Length

12	XXX
----	-----

## Notes

- Cords > 1m are authorized for use in channels and are an effective standalone method used to connect active devices
- Cords < 1m are also valid elements for use in a channel or as an equipment interconnect but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords

## Material Specifications

### Contact Plating Material

Precious metals

### Material Type

Copper alloy | Polycarbonate

## Mechanical Specifications

### Plug Insertion Life, minimum

750 times

### Plug Retention Force, minimum

133 N | 29.9 lbf

## Environmental Specifications

### Operating Temperature

-10 °C to +60 °C (+14 °F to +140 °F)

### Environmental Space

Non-plenum

### Flammability Rating

UL 94 V-0

### Safety Standard

Anatel | ETL | cETL

## Packaging and Weights

### Packaging quantity

100

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system