



**Product:** [RV6FFPUBK300-S1](#)



REVConnect I/O FlexPlug, CAT6+, Bonded-Pair, 1/Pack, 4 Pair, 23 AWG Solid, T568A/B-T568A/B

## Product Description

REVConnect I/O FlexPlug, CAT6+, Single Packaging (incl. 1 core), Bonded-Pair, 4 Pair, 23 AWG Solid, UTP, CMR/CMX, T568A/B-T568A/B

## Technical Specifications

### Product Overview

Suitable Applications:	4800 and 3600 Systems, TIA Category 6, ISO Class E, 1000 Base-T
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

#### Insulation

Material
PO - Polyolefin

#### Outer Jacket

Material
PVC - Polyvinyl Chloride

Overall Nominal Diameter:	0.255 in.
Material:	PVC - Polyvinyl Chloride
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.
Weight:	0.139 lbs

### Connectors

#### Materials

Description	Material	Type
Cable End 1, Plug	Polycarbonate	RJ45
Cable End 1, Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	RJ45 Blades
Cable End 2, Connection	50uin Gold plated contacts	REVConnect

### Electrical Characteristics

Dielectric Strength:	1,000 V RMS @ 60 Hz
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm

#### High Frequency

Frequency [MHz]	Min. NEXT [dB]	Min. RL (Return Loss) [dB]
1 MHz	65 dB	19.8 dB
4 MHz	65 dB	21.6 dB

8 MHz	65 dB	22.5 dB
10 MHz	65 dB	22.8 dB
16 MHz	63 dB	23.4 dB
20 MHz	61 dB	23.7 dB
25 MHz	59.2 dB	24 dB
31.25 MHz	57.3 dB	23 dB
62.5 MHz	51.3 dB	20 dB
100 MHz	47.3 dB	18 dB
200 MHz	41.4 dB	15 dB
250 MHz	39.5 dB	14 dB
300 MHz	37.2 dB	12.8 dB

## Temperature Range

Installation Temperature Range:	-10°C To +60°C
Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-10°C To +60°C

## Mechanical Characteristics

Min Bend Radius (Overall Cable):	2.75 in.
Tool Compatibility:	RVUTT01 Termination Tool
Plug /Jack Compatibility:	RJ45, REVConnect Core
Termination Rear Connection:	Mated Connection

## Termination Interface

Termination	Connection	Durabilities
Cable End 1 - RJ45	Mated Connection	750 Cycles
Cable End 2 - RevConnect	Mated Connection	200 Cycles

## Standards

UL Rating:	UL94 V-0, UL1863
Data Category:	Category 6
TIA/EIA Compliance:	Category 6 - TIA 568.2-D, ISO/IEC 11801:2002 Ed.2
IEEE Compliance:	Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W)
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7

## Applicable Environmental and Other Programs

MII Order #39 (China RoHS):	EUP 50
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## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Cable only

## Flammability, LSOH, Toxicity Testing

Safety Listing:	c(UL)us Listed
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## Related Part Numbers

Related Parts:	REVConnect
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## Variants

Item #	Color	Packaging	Put-Up Type	Length
RV6FFPUBK300-S1	Black	Individually packaged in a clear plastic bag.	Single Pack	0.76 m

## History

Update and Revision:	Revision Number: 0.33 Revision Date: 05-10-2023
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