

Product: [REVConnect 10GX FlexPlug](#) 



REVConnect 10GX FlexPlug, CAT6A, Bonded-Pair, 1/Pack, 4 Pair, 23 AWG Solid, T568A/B-T568A/B

Product Description

REVConnect 10GX FlexPlug, CAT6A, Single Packaging (incl. 1 core), Bonded-Pair, 4 Pair, 23 AWG Solid, T568A/B-T568A/B

Technical Specifications

Product Overview

Suitable Applications:	10GX System, TIA Category 6A, ISO Class EA, 10G 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:	0.23 in.
Material:	PVC - Polyvinyl Chloride
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.
Weight:	0.060 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
400 MHz	33.7 dB	10.9 dB
500 MHz	30.9 dB	9.5 dB
625 MHz	28.3 dB	8 dB

Temperature Range

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

Mechanical Characteristics

Min Bend Radius (Overall Cable):	1.040 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, UL2043
Data Category:	Category 6A
TIA/EIA Compliance:	Category 6A - 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:	No

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL2043 Air Handling Spaces
Safety Listing:	c(UL)us Listed

Part Number

Related Parts:	REVConnect
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Variants

Item #	Color	Put-Up Type	Length	UPC
RVAFFPUBK18-S1	Black	Single Pack	0.45 m	611589239745
RVAFFPUEW18-S1	Electric White	Single Pack	0.45 m	611589239752

History

Update and Revision:	Revision Number: 0.89 Revision Date: 08-23-2021
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