



Product: [RVAFFPUBK300-S1](#)



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

Product Description

REVConnect 10GX I/O FlexPlug, CAT6A, 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:	10GX System, TIA Category 6A, ISO Class EA, 10G Base-T
------------------------	--

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
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 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 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
-----------------------------	--------

Suitability

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

Flammability, LSOH, Toxicity Testing

Safety Listing:	c(UL)us Listed
-----------------	----------------

Related Part Numbers

Related Parts:	REVConnect
----------------	------------

Variants

Item #	Color	Packaging	Put-Up Type	Length	UPC
RVAFFPUBK300-S1	Black	Individually packaged in a clear plastic bag.	Single Pack	0.76 m	611589247450

History

Update and Revision:	Revision Number: 0.88 Revision Date: 05-10-2023
----------------------	---

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.