



Product: [REVConnect 10GX Coupler](#)

REVConnect 10GX Coupler, Black or Electric White

Product Description

The REVConnect 10GX Coupler is available in black or electric white, and in single packs (includes 2 cores) or bulk packs of 24 (includes 50 cores)

Technical Specifications

Product Overview

Suitable Applications:	10GX System, TIA Category 6A, ISO Class EA, 10GBASE-T
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Physical Characteristics (Overall)

Height:	0.868 in
Width:	0.634 in
Depth:	1.433 in
Wiring Scheme:	T568A/B
Packaging:	Packaged in single or bulk packs of 24
Weight:	0.360 lbs

Connectors

Materials

Description	Material	Type
Front Connection	50uin Gold plated contacts	REVConnect
Rear Connection	50uin Gold plated contacts	REVConnect
Connector Body	Lexan	

Electrical Characteristics

Dielectric Strength:	1,000 V RMS @ 60 Hz
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Termination Resistance:	2.5 m-Ohm

Temperature Range

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

Mechanical Characteristics

Tool Compatibility:	REVConnect Termination Tool (p/n RVUTT01)
Connector/Hardware Retention:	20 lbs
Plug/Connector Retention:	11.250 lbs

Termination Interface

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Mated Connection	20 cycles

Standards

TIA/EIA Compliance:	Category 6A - TIA 568.C.2, Category 6A - 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 Specification:	IEC 60603-7, FCC PART 68-F

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2002/95/EC (RoHS):	Yes
MII Order #39 (China RoHS):	EUP 50

Flammability, LS0H, Toxicity Testing

Safety Listing:	c(UL)us Listed
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Plenum/Non-Plenum

Mated Connection

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)	Min. Return Loss TIA* (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Belden** (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1.000	.100 dB	.050 dB	75.000 dB	77.000 dB	75.000 dB	80.000 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
4.000	.100 dB	.050 dB	75.000 dB	77.000 dB	71.100 dB	75.100 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
8.000	.100 dB	.050 dB	75.000 dB	77.000 dB	65.000 dB	69.000 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
10.000	.100 dB	.050 dB	74.000 dB	77.000 dB	63.100 dB	67.100 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
16.000	.100 dB	.060 dB	69.900 dB	72.900 dB	59.000 dB	63.300 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
20.000	.100 dB	.070 dB	68.000 dB	71.000 dB	57.100 dB	61.100 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
25.000	.100 dB	.080 dB	66.000 dB	69.000 dB	55.100 dB	59.100 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	40.000 dB	45.000 dB
31.250	.110 dB	.090 dB	64.100 dB	67.100 dB	53.200 dB	57.200 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	38.100 dB	45.000 dB
62.500	.160 dB	.140 dB	58.100 dB	61.100 dB	47.200 dB	51.200 dB	30.000 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	32.100 dB	39.100 dB
100.000	.200 dB	.180 dB	54.000 dB	57.000 dB	43.100 dB	47.100 dB	28.00 dB	70.500 dB	72.000 dB	67.000 dB	72.000 dB	28.000 dB	35.000 dB
200.000	.280 dB	.260 dB	48.000 dB	51.000 dB	37.100 dB	41.100 dB	22.000 dB	64.500 dB	66.00 dB	61.000 dB	66.000 dB	22.000 dB	29.000 dB
250.000	.320 dB	.300 dB	46.000 dB	49.000 dB	35.100 dB	39.100 dB	20.000 dB	62.500 dB	64.00 dB	59.000 dB	64.000 dB	20.000 dB	27.000 dB
300.000	.350 dB	.330 dB	42.900 dB	46.700 dB	33.600 dB	37.600 dB	18.500 dB	61.000 dB	62.500 dB	57.500 dB	62.500 dB	18.500 dB	25.500 dB
400.000	.400 dB	.380 dB	37.900 dB	42.900 dB	31.100 dB	35.100 dB	16.000 dB	58.500 dB	60.000 dB	55.000 dB	60.000 dB	16.000 dB	23.000 dB
500.000	.450 dB	.430 dB	34.000 dB	40.000 dB	29.100 dB	33.100 dB	14.000 dB	56.500 dB	58.000 dB	53.000 dB	58.000 dB	14.000 dB	21.000 dB
625.000		.480 dB		37.100 dB		31.200 dB			56.100 dB		56.100 dB		19.100 dB

Mated Connection Footnote1:	* TIA/EIA-568-C.2 Category 6A Standard.
Mated Connection Footnote2:	** Worst-case performance for a 10GX mated connection using REVConnect Cores.

Related Part Numbers

Related Parts:	Compatible with KeyConnect Faceplates, Adapters, Boxes and Patch Panels
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Variants

Item #	Color	UPC
RVACPKUBK-B24	Black	611589238434
RVACPKUBK-S1	Black	611589238427
RVACPKUEW-B24	Electric White	611589239769
RVACPKUEW-S1	Electric White	611589239776

Product Notes

Notes:	Please see Installation Guide PX106434.
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History

Update and Revision:	Revision Number: 0.91 Revision Date: 11-09-2022
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