



**Part Number:** 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 or bulk packs of 24 (includes 25 cores)

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor
Suitable Applications:	10GX System, TIA Category 6A, ISO Class EA, 10GBASE-T

**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 Temp Range:	-10°C To +60°C
Storage Temp 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

Telecommunications Standards:	Category 6A - TIA 568.C.2, Category 6A - ISO/IEC 11801:2002 Ed.2
IEEE Specification:	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

EU Directive 2002/95/EC (RoHS):	Yes
MIL Order #39 (China RoHS):	EUP 50

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

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.

## Part Number

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

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