

In-line coupler loaded, RJ45

Our in-line coupler allows cabling to be lengthened without reducing the performance of the connection. The coupler meets ANSI/TIA/EIA-568 C.2 specifications, and has an RJ-45 jack with phosphor bronze contacts at each end. A practical and cost-effective way to make your patch cords cables go further. Available for category 5E cables.



AE180NXT07
AE180NXT08

Product specifications

In-line coupler characteristics	
Category	Cat.5E Cat.6
External color	White
Socket type	Keystone frame
Application type	Phone/data
Dimensions	
Height	1.05in
Width	1.22in
Depth	2.36in
Connector characteristics	
Housing material	ABS + PC, UL 94V-0
RJ45 contact material and finishing	Phosphor bronze with 50+60 micro-inch nickel plated. Contact area: min. 3 mm 50 micro-inch gold plating
IDC housing	PC + 5%GF, UL 94V-2
IDC terminal material and finishing	Phosphor bronze with min. 50 micro-inch gold plating
Jack bracket set	PBT + 15%GF, UL 94-0
Insertion force	900 gm for 8 contacts
Retention strength	7.7kg between jack and plug
Durability	Jack: 750 cycles plug-jack mating and unmating test, insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles. IDC: max.200 punching times. (ISO/IEC 11801, IEC 60603-7-5)
Wiring	T568A and T568BT
Operating temperature	-10°C to 60°C (ISO/IEC 11801, ANSI/TIA/EIA-568-C.2)
Transmission characteristics	
Transmission speed	100 Mbps 1,000 Mbps / 1 Gbps
Bandwidth	100 MHz 250 MHz
Electrical characteristics	
Insulation resistance	500M ohms (min.)
Contact resistance	20M ohms (max.)
Current rating	1.5 amps
DC resistance	0.1 ohm (max.)
Withstanding voltage	1000 VAC RMS at 60Hz/1min.
Mechanical characteristics	
IDC punch down cycle	Over 2500 cycles (min.)
RJ45 jack insertion cycle	Over 2000 cycles (min.)
Certifications and standards	
International standards	ANSI/TIA/EIA-568-C.2, ISO/IEC 11801
UL certificate	20080124 – E318655 DUXR.E318655
Miscellaneous	
MPN	AE180NXT07 AE180NXT08
UPC	798302031333 798302031340
Labeling	NEXXT SOLUTIONS
Packaging	Plastic bag
Quantity per bag	1 unit
Cu.ft.	0.86 per 500units
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty