



## Connector Selection Guide

### ezEX-RJ45 & EZ-RJ45 Termination Systems

**Crimp Tool For ezEX-RJ45**



100061C EXO Crimp Tool Frame w/Black Die. Crimps & trims all ezEX-RJ45 connectors, unshielded and shielded, with internal or external ground.

Versatile EXO Crimp Tool uses interchangeable crimp dies. Just swap dies to change between connector families.



100071C Black ezEX-RJ45



100072C Blue EZ-RJ45



100073C Red EZ-RJ12/11

**Crimp Tool For EZ-RJ45**



100062C EXO Crimp Tool Frame w/Blue Die. Crimps and trims all EZ-RJ45 connectors, unshielded and shielded, with internal or external ground.

21-04-30

### ezEX-RJ45 New Generation Pass Through RJ45 Connectors

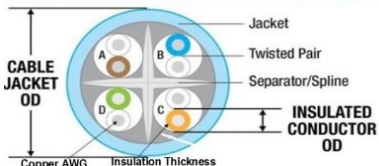
Connector Family	Shielding	View	Cable Jacket Diameter	Insulated Conductor OD	Pack Qty	Pack Type	Part Number
<b>ezEX38</b> Typical Use Cat5e- Small Cat6	Unshielded		Max .290" (7.36mm)	OD Range .033"-.038" (.84-.97mm)	50	Clamshell	100047C
					100	Jar	202038J
	Shielded Internal Ground		Max .280" (7.11mm)	OD Range .033"-.038" (.84-.97mm)	25	Clamshell	100048C
					50	Jar	202049J
<b>ezEX44</b> Typical Use Cat6 Cat 6A	Unshielded		Max .290" (7.36mm)	OD Range .039"-.044" (1.0-1.12mm)	50	Clamshell	100028C
					100	Jar	202044J
					500	Bag	105024
	Shielded Internal Ground		Max .280" (7.11mm)	OD Range .039"-.044" (1.0-1.12mm)	25	Clamshell	100024C
					50	Jar	202050J
					100	Bag	105027
Shielded External Ground		Max .305" (7.75mm)	OD Range .039"-.044" (1.0-1.12mm)	25	Clamshell	100025C	
				50	Jar	202051J	
				100	Bag	105028	
<b>ezEX48</b> Typical Use Cat 6A, Large Cat 6 Large Conductors 22AWG or with Thick Insulation	Unshielded		Max .290" (7.36mm)	OD Range .043"-.048" (1.09-1.22mm)	50	Clamshell	100029C
					100	Jar	202048J
					500	Bag	105025
	Shielded External Ground		Max .305" (7.75mm)	OD Range .043"-.048" (1.09-1.22mm)	25	Clamshell	100027C
					50	Jar	202052J
					100	Bag	105029

ezEX-RJ45		Specification	EZ-RJ45
24-22AWG	OD .033"-.048"	<b>OD Range Solid or Stranded Conductors</b>	24-23AWG OD .034"-.040"
10Gb on Cat5e, Cat6 & Cat6A		<b>Connectors Rating</b>	1Gb on Cat5e, Cat6
All are UL Listed for PoE & PoE+		<b>PoE Applications</b>	Supports PoE
Hi Performance Hi-Low Stagger		<b>Conductor Alignment</b>	Straight Alignment
Flush, No Latch Nose Protrusion		<b>Connector Face After Crimp/Trim</b>	Latch Nose

### EZ-RJ45 The Original Pass Through RJ45 Connectors

Connector Family	Shielding	View	Cable Jacket Diameter	Insulated Conductor OD	Pack Qty	Pack Type	Part Number
<b>EZ-RJ45 Cat 5e</b>	Unshielded		Max .260" (6.6mm)	OD Range .034"-.040" (.87-1.016mm)	50	Clamshell	100003C
					100	Jar	202003J
					500	Bag	105003
<b>EZ-RJ45 Cat 6</b>	Unshielded		Max .275" (6.98mm)	OD Range .034"-.040" (.87-1.016mm)	50	Clamshell	100010C
					100	Jar	202010J
					500	Bag	105004
<b>EZ-RJ45 Shielded For use with Cat5e or Cat 6</b>	Shielded Internal Ground		Max .260" (6.60mm)	OD Range .034"-.040" (.87-1.016mm)	50	Clamshell	100020C
					100	Jar	202020J
	Shielded External Ground		Max .280" (7.11mm)	OD Range .034"-.040" (.87-1.016mm)	50	Clamshell	100022C
					100	Jar	202022J
	50	Jar	202022J				
	100	Bag	105022				

**Determine Cable Overall OD and Conductor OD Including Insulation. Select Connector That Best Accommodates Cable Specifications**



Refer to cable Mfg data sheet for

- Cable overall OD
- Insulated conductor OD
- Conductor AWG
- Conductor insulation thickness

#### Calculating Overall OD of Insulated Conductor

Conductor	Conductor Insulation	Example Calculation of Conductor OD
Most common AWG/Diameter	Since the insulation surrounds the conductor, the "insulation thickness" must be multiplied by 2.	Conductor 23AWG .0226"
26AWG .0159" .40mm		Insulation Thickness .0106" x 2 .0212"
24AWG .0201" .51mm		Insulated conductor OD .0438"
23AWG .0226" .57mm		
22AWG .0254" .65mm		