



## QUICK DISCONNECT CORDSET & RECEPTACLE for NEXUS SERVO MOTORS

**NXQD1FM FEMALE CORDSET  
NXQD1M MALE CONNECTOR**

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### DESCRIPTION

The Fireye NXQD1FM cordset and the NXQD1M receptacle provides a quick disconnect option for the NEXUS or PPC servomotors NX04, NX20, NX50 & NX98.

The NXQD1FM is a six conductor cordset. Three (3) conductors are used for the servomotor power/direction while the three (3) shielded conductors are used for the signal/position feed back to the Nexus or PPC controller.

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### SPECIFICATIONS

#### Materials & Finishes

Shells:	High Specification Zinc Alloy
Inserts:	Nylon, UL94V-0
Coupling Rings:	Brass
Contacts:	High Reliability Copper Alloy
Platings:	Gold Flash
Seals:	Rubber

#### Electrical Data

Operating Voltage:	Up to 250 Vac rms.
Test Voltage:	500 Vac rms test potential
Current Rating:	5 Amps
Wire Size:	All wires are #18 AWG



### Mechanical

Contact Type: Crimp  
Number of circuits: Six (6)  
Contact Insertion: From Rear. No insertion tool needed. Removal with proper extraction tool (front release)  
Nexus Adapter: From Male Pins connector to M16 threads on the NX20/50/98. A nut is required on the NX04.

## WIRING

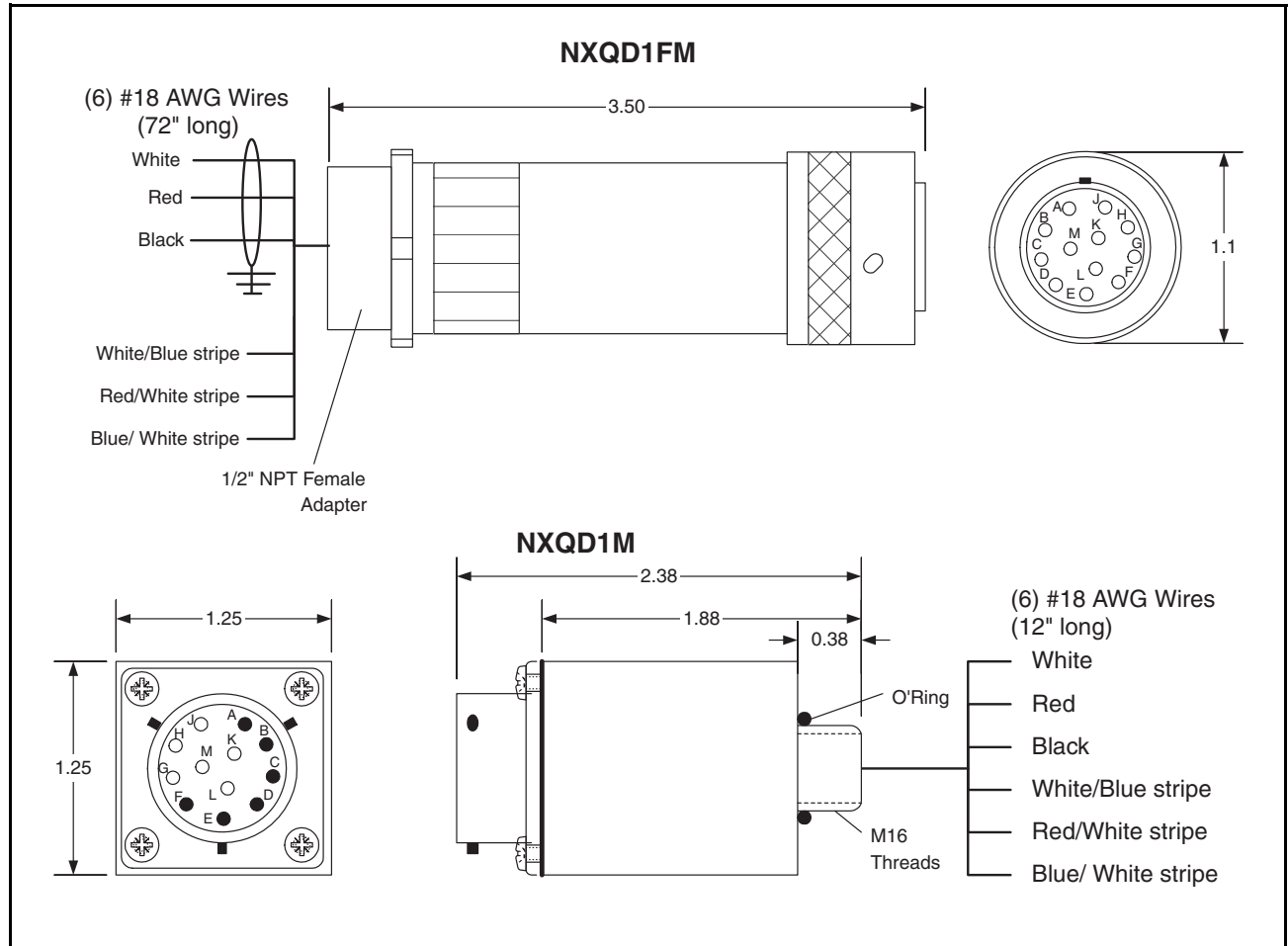
### NXQD1FM Cordset

CABLE SPECS	PINOUT	NEXUS CONTROLLER	PPC5000
18AWG White	A	PE1/4/7/10*	PD18/13/10/4*
18AWG Red	B	PE2/5/8/11*	PD17/12/9/3*
18AWG Black	C	PE3/6/9/12*	PD16/11/8/2*
SHIELDS		*Grounding Bar	*Grounding Bar
18AWG White/Blue Stripe	D	PB4	(L2) PA3
18AWG Red/White Stripe	E	PA2/4/6/8	PE3/5/8/10
18AWG Blue/White Stripe	F	PA3/5/7/9	PE2/4/7/9

### NXQD1M Receptacle

CABLE SPECS	PINOUT	NEXUS MOTOR NX-04/20/50	NEXUS MOTOR NX98
18AWG White	A	5	6
18AWG Red	B	6	5
18AWG Black	C	7	4
18AWG White/Blue Stripe	D	1	1
18AWG Red/White Stripe	E	2 (3)	2 (3)
18AWG Blue/White Stripe	F	3 (2)	3 (2)

## DIMENSIONS



## ORDERING INFORMATION

P/N	DESCRIPTION
NXQD1FM (FEMALE)	Cordset six (6) feet long ready for 1/2" NPT flexible conduit installation with 6 pins quick disconnect Female connector.
NXQD1M (MALE)	Male six (6) pins quick disconnect with Nexus M16 Adapter and 12" leads to fit on NX04/20/50 and 98 motor.



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## WARRANTIES

FIREEYE guarantees for *one year from the date of installation or 18 months from date of manufacture* of its products to replace, or, at its option, to repair any product or part thereof (except lamps, electronic tubes and photocells) which is found defective in material or workmanship or which otherwise fails to conform to the description of the product on the face of its sales order. **THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES AND FIREEYE MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED.** Except as specifically stated in these general terms and conditions of sale, remedies with respect to any product or part number manufactured or sold by Fireeye shall be limited exclusively to the right to replacement or repair as above provided. In no event shall Fireeye be liable for consequential or special damages of any nature that may arise in connection with such product or part.



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