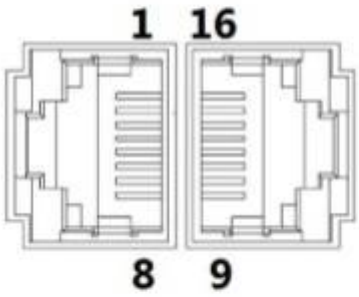
EtherCAT

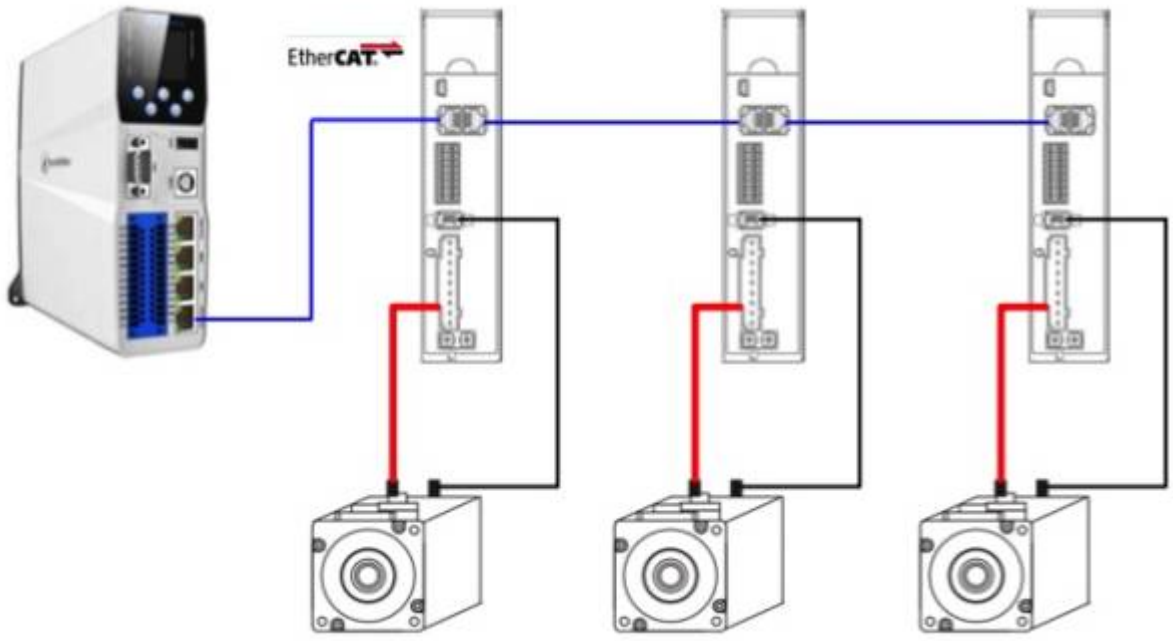
This page describes the **EtherCAT** communication of the NL7-EC servo drives. The drive provides two communication ports for the EtherCAT protocol.

Port pinout

CN3 and CN4 are communication ports for EtherCAT protocol. LAN cable from master device will be connected to CN3 (IN) and CN4 (OUT) will be connected to the next slave device.

Port	Pin	Signal	Description
	1, 9	E_TX+	EtherCAT Data sending positive terminal
	2, 10	E_TX-	EtherCAT Data sending negative terminal
	3, 11	E_RX+	EtherCAT Data receiving positive terminal
	4, 12	--	--
	5, 13	--	--
	6, 14	E_RX-	EtherCAT Data receiving negative terminal
	7, 15	--	--
	8, 16	--	--
	Frame	PE	Shielded ground

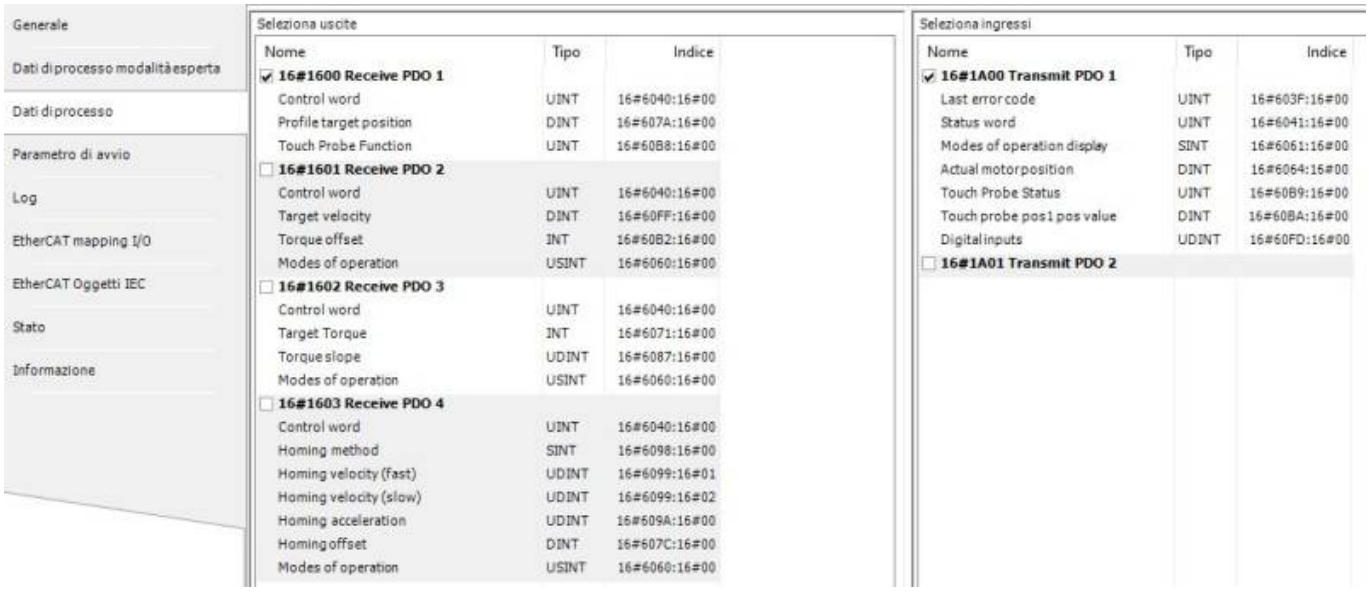
Example of EtherCAT communication cable connections between master and slave devices



Configuration File

XML File: :nl7_servo:nl7_xml_file.zip

4 Receive PDOs and 1 Transmitt PDO are available as standard configuration.



Notes

- CN3 is the EtherCAT input (IN) from the master; CN4 is the output (OUT) to the next slave. - The XML file provides the standard EtherCAT configuration for the drive. - The default configuration offers 4 receive PDOs and 1 transmit PDO. - Refer to the configuration file and the CoE profile page for the PDO mapping.

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