

## Safe Torque-off Accessories

An assortment of headers, when wired and plugged into the safe torque-off (STO) connector, make implementation possible, as described in this table.

**Table 4 - Safe Torque-off Headers**

Description	Cat. No.
Safe Torque-off wiring header for the first drive in multiple safety drive configurations (optional).	2090-XNSM-W
Safe Torque-off middle header for drive-to-drive connections in multiple safety drive configurations with three or more drives (optional).	2090-XNSM-M
Safe Torque-off terminating header for the last drive in multiple safety drive configurations (optional).	2090-XNSM-T

Safe Torque-off interface cables are required for making connections with 2090-XNSM-W, 2090-XNSM-M, and 2090-XNSM-T safe torque-off headers.

**Table 5 - Safe Torque-off Interface Cables**

Cat. No.	Description
1202-C02	Drive-to-drive safety cable, 200 mm (7.9 in.) for connecting single-wide Kinetix 6000 axis modules.
1202-C03	Drive-to-drive safety cable, 350 mm (13.8 in.) for connecting double-wide Kinetix 6000 axis modules.
1202-C10	Drive-to-drive safety cable, 1050 mm (41.3 in.) for connections between: <ul style="list-style-type: none"> <li>• Kinetix 6000 power rail and Kinetix 7000 drive.</li> <li>• Two Kinetix 6000 power rails.</li> <li>• Two Kinetix 7000 drives.</li> </ul>
1202-C30	Drive-to-drive safety cable, 3 m (9.8 ft) for any connections requiring additional cable length within the system enclosure.

**IMPORTANT** Due to the current capacity limitation of the safe torque-off interface cable connectors, multiple safe torque-off drive configurations must not exceed eight Kinetix 6000 and Kinetix 7000 drive modules.

A replacement (STO) header with jumper is included in connector sets for the Kinetix 6000 and Kinetix 7000 safe torque-off drives.

**Table 6 - Replacement Connector Sets**

Cat. No.	Drive Module	Drive Cat. No.	Description
2094-XNINV-1	Kinetix 6000 IAM and AM Modules	2094-AC05-Mxx-S, 2094-AC09-M02-S, 2094-AMP5-S, 2094-AM01-S, 2094-AM02-S	Includes motor power (MP), motor/resistive brake (BC), and safe torque-off (STO) replacement connectors for the IAM (inverter) and AM modules.
2094-ANINV-2		2094-AC16-M03-S, 2094-AC32-M05-S, 2094-AM03-S, 2094-AM05-S, 2094-BC04-M03-S, 2094-BM03-S	
2094-XNINV-1		2094-BC01-Mxx-S, 2094-BC02-M02-S, 2094-BMP5-S, 2094-BM01-S, 2094-BM02-S	
2094-BNINV-2		2094-BC07-M05-S, 2094-BM05-S	
2099-K7KCK-1	Kinetix 7000 High Power Drives	2099-BMxx-S	Includes safe torque-off (STO), general purpose I/O (GPIO), general purpose relay (GPR), and control power (CP) replacement connectors for Kinetix 7000 drives.