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Honeywell · Experion Series C I/O

Gray pre-terminated I/O Link cable assembly for Honeywell Experion PKS Series C C300 Controller IOTA; cable pair (one cable a yellow + one cable b green).

Hardware

Cable family: Series C I/O Link (IOL1), 750 KBaud
Jacket color: Gray
Redundancy variant: Cable pair (one Cable A yellow + one Cable B green)
Cable type: Drop cable, 6 connections on 6-inch (152 mm) pitch (vertical drop for non-redundant HLAI/AO and LLAI IOTAs; alternate connector on 12-inch pitch mixes 6-inch and 12-inch IOTAs, per R301.1)
Number of drops/taps: 6

Communication

Function: Passive I/O Link cable assembly connecting C300 Controller IOTA (IOL1A/B or IOL2A/B ports) to Series C IOTAs/IOMs in a CCA, or via extension to another cabinet side
Link signaling: 750 KBaud Series C I/O Link (R301.1 Series C System Cabling; EP03-300-511 Section 2.3.1 C300 Configuration Options table, July 2019)
I/O Links per C300 Controller: 2 (IOL1 + IOL2), per EP03-300-511 Section 2.3.1
I/O Link throughput: 2000 Link Units/sec for Series C I/O (1 LU = 1 parameter read/write per second), per R301.1 I/O Link performance Table 9
Max I/O Units per I/O Link: 40 (50 ms CEE), per EP03-300-511 Section 4.0; IOTA address jumpers numbered 1 to 40, per R301.1 I/O Link address jumpers section
IOTA connector text symbol: IOL1A/IOL1B (IOL1, gray) or IOL2A/IOL2B (IOL2, violet), per R301.1 cable color coding table
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Supported IOTA sizes: 6-inch (152 mm), 9-inch (229 mm), 12-inch (305 mm), per R301.1 Drop cable descriptions and EP03-490-520 Section 4
Redundancy: Cable A (yellow label) and Cable B (green label) always required as a pair; sold individually or as pair
Built-in ports: None (passive pre-terminated cable; plugs into IOTA and IOTA drop connectors)
System-level compliance: Series-C platform certified to EN 61326-1:2013 (EMC) and IEC/EN 61010-1 (safety/LVD) per EP03-520-515 European Compliance section; this passive cable harness ships within the certified cabinet assembly and does not carry per-cable UL/CE/CSA marking

Lifecycle

Current Honeywell Experion PKS Series C accessory. Ordering code listed in Experion Control Hardware Planning Guide R301.1 (11/06), Series C System Cabling, cable parts table; I/O Link speeds and link count confirmed in C300 Controller Capacity EP03-300-511 Section 2.3.1 (July 2019); Series C platform active in Experion Series-C I/O Specification EP03-490-520 v1.5 (Dec 2021); platform compliance per EP03-520-515. All four on Honeywell **prod-edam CDN. (Last verified:** 2026-10-29)