



Designed to ensure a safe evacuation from high-rise buildings, universities, hotels, and hospitals, VITALink® dual rated CI/CIC cables are rated as both Circuit Integrity (CI) and Circuit Integrity in Conduit (CIC). This means the same cable can be installed either with or without conduit, depending on the application and code requirements.

INSTALLATION & USAGE

CI cables, also referred to as CI Free Air, can be installed in riser or horizontal (non-plenum) installations without conduit.

« CI vs. CIC »

CIC cables can be installed in either riser or plenum airspaces, using specified hardware including conduit, couplings, pulling lubricant, pull boxes, and supports.

CODE REQUIREMENTS

CI cables must be installed per NEC Article 760.24 and meet all national and local code requirements.

« CI vs. CIC »

CIC cables must be installed per the UL approved FHIP.40A or FHIP7.40A system and in accordance with Comtran's installation instructions.

BENEFITS

Since conduit is not required for CI cables, there are no fill restrictions, which can help save money, space, time, and labor.

« CI vs. CIC »

If a project requires plenum, CIC cable can be used with the specified hardware components.



PRODUCT MATRIX

VITALink® CI/CIC cables are available in a wide array of constructions. If installing in conduit (CIC), please refer to the maximum conduit fill rates.

Part Number	Nom. Diameter (Inches)	Nom. Weight (Lbs./1000')	Nom. Cap. (pf/Ft.)	1/2" Max. Conduit Fill	3/4" Max. Conduit Fill	1" Max. Conduit Fill	1 1/4" Max. Conduit Fill	1 1/2" Max. Conduit Fill	2" Max. Conduit Fill
Shielded									
18/2 Solid (36397)	0.309"	49	17	1 Cable	2 Cables	4 Cables	7 Cables	7 Cables	7 Cables
16/2 Solid (35785)	0.330"	60	20	-	-	3 Cables	6 Cables	8 Cables	10 Cables
14/2 Solid (36316)	0.353"	64	25	-	-	3 Cables	5 Cables	6 Cables	10 Cables
Unshielded									
18/2 Solid (36337)	0.305"	41	17	1 Cable	2 Cables	4 Cables	7 Cables	7 Cables	7 Cables
16/2 Solid (35777)	0.321"	52	19	1 Cable	2 Cables	3 Cables	6 Cables	8 Cables	10 Cables
16/2 Stranded (36341)*	0.344"	54	19	1 Cable	1 Cable	3 Cables	5 Cables	7 Cables	10 Cables
14/2 Solid (36338)	0.352"	61	20	1 Cable	1 Cable	3 Cables	5 Cables	7 Cables	10 Cables
14/2 Stranded (36340)*	0.368"	65	20	1 Cable	1 Cable	2 Cables	4 Cables	6 Cables	10 Cables
12/2 Solid (36342)*	0.402"	90	22	1 Cable	1 Cable	2 Cables	4 Cables	6 Cables	10 Cables
12/2 Stranded (36339)*	0.416"	92	22	1 Cable	1 Cable	2 Cables	4 Cables	6 Cables	10 Cables