

VoltServer® Digital Electricity®

Gen2E Class 2 LPS Compatible Cable Table



SUMMARY

This document provides guidance for Digital Electricity compatible cables for VoltServer's Gen3 Fault Managed Power (FMPS) Class 4 deployments, based on the compatibility, ratings, and specifications of different cable types. The document explains how to use the VoltServer CL4 Cable Table, which lists the manufacturers, part numbers, pair counts, and minimum wire gauges for various deployment environments. **For Gen3 FMPS, refer to the VoltServer Gen3 FMPS cable table.**

PURPOSE

- ◊ The purpose of this document is to provide Designers, Integrators, Project Managers, and Installers with an easy reference for cabling solutions for VoltServer Remote Powering deployments.
- ◊ Cable ratings, color coding, and construction are extracted from the cable manufacturers datasheets.
- ◊ All cables used with the VoltServer Gen3 FMPS must be certified to UL 1400-2.
- ◊ If a required cable type is not in this Cable Table (i.e. ratings, pair count, etc.) please contact VoltServer Support, especially in discussions with cable manufacturers and suppliers to ensure suitability of proposed product(s).

HOW TO USE THE VOLTSERVER CABLE TABLE

- ◊ **Refer to deployment Venue Package to determine the minimum gauge and pair count required to each location. Contact your project manager or system designer to obtain the Venue Package .**
- ◊ Determine the rating required for each cable run. i.e. Plenum, Riser, Outdoor, mixed, etc.
- ◊ Refer to the appropriate page in this document for deployment rating.
- ◊ Lookup the required pairs for the remote location(s).
- ◊ Lookup the minimum conductor gauge (AWG) for the remote as stated in the Venue Package.
- ◊ Look up the Part Numbers for the desired manufacturer.

BEST PRACTICES

- ◊ The deployment environment must be considered to ensure a suitably rated cable type is ordered. i.e. DO NOT use Plenum or Riser rated cable outdoors.
- ◊ VoltServer recommends that additional conductor pairs be included in the initial builds to provide for future growth (Dark Copper).
- ◊ If required, to help standardize on a single cable type for a deployment where the Design Document or Venue Package indicates a number of different minimum gauges, the next larger gauge can be used. i.e. Increase 16AWG runs to 14 AWG runs to standardize on 14AWG.
- ◊ DO NOT reduce gauge from required minimum gauge i.e. from 16AWG to 18AWG - this will invalidate the VoltServer Design, may NOT be covered by warranty, and could violate local or national electrical code.
- ◊ If a cable run transitions from one rating area to another, i.e. from Plenum to Outdoor, a splice will be necessary adjacent to the transition.
- ◊ Refer to the *DE Best Practices Guide* for required methods and practices for intermediate splices.

NOTES

- ◊ Lowercase letters within a part number denotes that these parameters do not affect DE compatibility (i.e. fiber count, jacket color, etc.)

CABLE RATING LEGEND

Cable Rating Legend
CL4 = General Purpose Cable, Class 4, 450 V, Certified to UL 1400-2, May be used outdoors and/or direct burial.

CL3 = General Purpose Cable, Class 3, 300 V

CL4P, CMP, CL3P = All in-wall plenum & riser applications.

CL4R, CMR, CL3R = All in-wall and riser applications, not permitted in plenum spaces.

CM, CMG = In-wall rated; permitted in 1-2 family residential riser applications, or in riser with raceway/fireproof shaft, not permitted in plenum spaces.

CL4Z = Cables designated that are intended for outdoor use only and are not to be attached to, or used within a building structure. Permitted to also be designated "CL4P", "CL4R" or "CL4".

WET = Continuous wet locations, in conduit or ducts.

DB or DIR BUR = Direct burial cable, designed to be able to be buried directly beneath the ground without any added protection, piping, or sheathing.

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Indoor Plenum Cables

Required for Plenum Deployments. *Plenum rated (CMP, CL4P, and CL3P) cable may be used in risers. NOT for wet locations.*

Manufacturer	Belden	Belden	Remee	Marmon	Corning	CommScope	Proterial	Corning	Southwire	Tessco	Windy City	GCG
Cable Family	FMPS Cables	FMPS Cables	PowerPipe™	COM-Link®	ActiFi®	Constellation®	Power+	ActiFi®			Digital Electricity	Electrowire™
Features												
Pair Construction	Twisted Pair	Twisted Pair	Twisted Pair		Linear Lay	Twisted Pair	Twisted Pair	Linear Lay	Linear Lay	Linear Lay	Twisted Pair	Twisted Pair
Compliance Standards	CL4P, CMP, LS-PVC	CL4P, CMP, LS-PVC	CL4P, CMP	CL4P, CMP, LS-PVC	CL4P	CL4P, CMP	CL4P, LS-PVC, Sun Resistant	CL3P	CL3P, CMP, FPLP, LS-PVC	CL3P, CMP, FPLP, LS-PVC	CMP, LS-PVC	CL3P, FPLP, FT6
Hybrid Fiber Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Country of Origin	Mexico	Mexico	USA	USA	USA	USA	USA	USA	USA	USA	USA	USA
Shielded/Armored	No	Yes	No	No	No	No	No	No	No	No	No	No
Jacket Color	Green	Green	Natural/Green	Custom	Yellow	Yellow	Yellow	Yellow	Black, White	Black, White	White	White
AWG	Pairs	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #
18	1			DE1P18RRxxx	C4C-P00U02-18-01				xxxzyb8-21V01M20			
	2	DEIP182U	DEIP182F	DE2P18RRxxx	C4C-P00U02-18-02					P40031-25	589156	
	3			DE3P18RRxxx	C4C-P00U02-18-03				xxxZT8-41V01M20			EWP183PRC
	4	DEIP184U	DEIP184F	DE4P18RRxxx	C4C-P00U02-18-04				xxxZT8-61V01M20			184PPDIGIELEC
	6			DE6P18RRxxx	C4C-P00U02-18-06				xxxZT8-61V01M20			
	8	DEIP188U	DEIP188F	DE8P18RRxxx	C4C-P00U02-18-08						188PPDIGIELEC	EWP188PRC
	12				C4C-P00U02-18-12						1812PDIGIELEC	
16				C4C-P00U02-18-16								
16	1			DE1P16RRxxx	C4C-P00U02-16-01			42564-4	xxxZT8-21Y01M20			
	2	DEIP162U	DEIP162F	DE2P16RRxxx	C4C-P00U02-16-02			42577-8				EWP162PRC
	3			DE3P16RRxxx	C4C-P00U02-16-03			42563-12	xxxZT8-41Y01M20			EWP163PRC
	4	DEIP164U	DEIP164F	DE4P16RRxxx	C4C-P00U02-16-04		P-016-HY-8G-F30YL/4X16AWG/CTX	42587-28	xxxZT8-61Y01M20	P50017-25	564155	164PPDIGIELEC
	6			DE6P16RRxxx	C4C-P00U02-16-06	xxxZT8-61N01N20			xxxZT8-61Y01M20			EWP166PRC
	8	DEIP168U	DEIP168F	DE8P16RRxxx	C4C-P00U02-16-08	xxxZT8-M1N01N20				P50061-25	545844	168PPDIGIELEC
	12				C4C-P00U02-16-12							
16				C4C-P00U02-16-16								
Wire Color Codes												
Pair #1	Black/Red	Black/Red	Black/Red	Black/Red	Telcordia			Telcordia	Black.Red	Black.Red	Black/Red	Black/Red
Pair #2	Black/White	Black/White	Black/White	Black/White					White/Green	White/Green	Black/White	Black/White
Pair #3	Black/Green	Black/Green	Black/Green	Black/Green					Brown/Blue	Brown/Blue	Black/Green	Black/Green
Pair #4	Black/Blue	Black/Blue	Black/Blue	Black/Blue					Orange/Yellow	Orange/Yellow	Black/Blue	Black/Blue
Pair #5	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow					Purple/Gray	Purple/Gray	Black/Yellow	Black/Yellow
Pair #6	Black/Brown	Black/Brown	Black/Brown	Black/Brown					Pink/Tan	Pink/Tan	Black/Brown	Black/Brown
Pair #7	Black/Orange	Black/Orange	Black/Orange	Black/Orange					Wht-Black/Wht-Red	Wht-Black/Wht-Red	Black/Orange	Black/Orange
Pair #8	Red/White	Red/White	Red/White	Red/White					Wht-Green/Wht-Orange	Wht-Green/Wht-Orange	Red/White	Red/White
Pair #9				Red/Green								
Pair #10				Red/Blue								
Pair #11				Red/Yellow								
Pair #12				Red/Brown								
Pair #13				Red/Orange								
Pair #14				White/Green								
Pair #15				White/Blue								
Pair #16				White/Yellow								

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Riser Cables

Riser rated cables (CL4R, CL3R, CMG, and CMR) are NOT permitted in plenum spaces. NOT rated for wet locations unless stated.

Manufacturer	Southwire	Southwire	Belden	Belden	Marmon	Marmon	Corning	Corning	Remee	Windy City
Cable Family	CL4SS®	CL4SS®	FMPS Cables	FMPS Cables	COM-Link®	COM-Link®	ActiFi®	ActiFi®	PowerPipe™	Digital Electricity
Features										
Pair Construction	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Linear Lay	Linear Lay	Twisted Pair	Twisted Pair
Compliance Standards	CL4Z, CMG, FT4 LS-PVC, Wet Locations	CL4Z, CMG, FT4 LS-PVC, Wet Locations	CL4Z, CMG, Wet Locations, Sun Resistant	CL4Z, CMG, Wet Locations, Sun Resistant	CL4R, CMG, CMR, FT4 Wet Locations, Sun Resistant	CL4R, CMG, CMR, FT4 Wet Locations, Sun Resistant	CL4R	CL3R	CMR, Direct Burial	CMR, Direct Burial
Hybrid Fiber Available	No	No	Optional	Yes	No	No	Yes	Yes	Yes	No
Country of Origin	USA	USA		USA	USA	USA			USA	USA
Shielded/Armored	No	Yes	No	Yes	No	Yes	No	No	No	No
Jacket Color	Green/Black/White	Green/Black/White	Black	Black	Black	Black	Yellow	Yellow	Black	Black
AWG	Pairs	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #
18	1					C4C-R00U01-18-01SW	C4C-R00F01-18-01SW	xxxZTF-21V01M20		
	2	CL4Z182N0605x	CL4Z182S0608	DEDN182U	DEDN182F	C4C-R00U01-18-02SW	C4C-R00F01-18-02SW	xxxZTF-41V01M20	2P18PVCWBTxxx	
	3					C4C-R00U01-18-03SW	C4C-R00F01-18-03SW	xxxZTF-61V01M20		
	4	CL4Z184N0605x	CL4Z184S0608	DEDN184U	DEDN184F	C4C-R00U01-18-04SW	C4C-R00F01-18-04SW		4P18PVCWBTxxx	
	6					C4C-R00U01-18-06SW	C4C-R00F01-18-06SW	xxxZTF-61N01N20	xxxZTF-M1V01M20	6P18PVCWBTxxx
	8	CL4Z188N0605x	CL4Z188S0608	DEDN188U	DEDN188F	C4C-R00U01-18-08SW	C4C-R00F01-18-08SW	xxxZTF-M1N01N20	8P18PVCWBTxxx	
	12					C4C-R00U01-18-12SW	C4C-R00F01-18-12SW			
	16					C4C-R00U01-18-16SW	C4C-R00F01-18-16SW			
16	1					C4C-R00U01-16-01SW	C4C-R00F01-16-01SW	xxxZTF-21Y01M20		
	2	CL4Z162N0605x	CL4Z162S0608	DEDN162U	DEDN162F	C4C-R00U01-16-02SW	C4C-R00F01-16-02SW	xxxZTF-41Y01M20	2P16PVCWBTxxx	
	3					C4C-R00U01-16-03SW	C4C-R00F01-16-03SW	xxxZTF-61Y01M20	3P16PVCWBTxxx	
	4	CL4Z164N0605x	CL4Z164S0608	DEDN164U	DEDN164F	C4C-R00U01-16-04SW	C4C-R00F01-16-04SW		4P16PVCWBTxxx	164PDBDIGIELEC
	6					C4C-R00U01-16-06SW	C4C-R00F01-16-06SW	xxxZTF-M1Y01M20	6P16PVCWBTxxx	
	8	CL4Z168N0605x	CL4Z168S0608	DEDN168U	DEDN168F	C4C-R00U01-16-08SW	C4C-R00F01-16-08SW		8P16PVCWBTxxx	
	12					C4C-R00U01-16-12SW	C4C-R00F01-16-12SW			
	16					C4C-R00U01-16-16SW	C4C-R00F01-16-16SW			
Wire Color Codes										
Pair #1	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Telcordia	Telcordia	Black/Red
Pair #2	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White			Black/White
Pair #3	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green			Black/Green
Pair #4	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue			Black/Blue
Pair #5	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow			Black/Yellow
Pair #6	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown			Black/Brown
Pair #7	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange			Black/Orange
Pair #8	Black/White	Black/White	Black/White	Black/White	Black/White	Red/White	Red/White			Red/White
Pair #9						Red/Green	Red/Green			
Pair #10						Red/Blue	Red/Blue			
Pair #11						Red/Yellow	Red/Yellow			
Pair #12						Red/Brown	Red/Brown			
Pair #13						Red/Orange	Red/Orange			
Pair #4						White/Green	White/Green			
Pair #15						White/Blue	White/Blue			
Pair #16						White/Yellow	White/Yellow			

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General Purpose Indoor/Outdoor Cables
Not rated for continuous wet locations, in conduit/ducts, or direct burial unless stated.

Manufacturer	Southwire	Southwire	Belden	Belden	Marmon	Marmon	GCG				
Cable Family	CL4SS®	CL4SS®	FMPS Cables	FMPS Cables	COM-Link®	COM-Link®	Electrowire™				
Features											
Pair Construction	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair				
Compliance Standards	CL4Z, CMG, LS-PVC, Wet Locations	CL4Z, CMG, LS-PVC, Wet Locations	CL4Z, CMG, Wet Locations, Sun Resistant	CL4Z, CMG, Wet Locations, Sun Resistant	CL4, CMG, FT4, Wet Location, Sun Resistant	CL4, CMG, FT4, Wet Location, Sun Resistant	CL3, FT4, PLTC, Wet Locations Sun Resistant				
Hybrid Fiber Available	No	No	Optional	Yes	Yes	Yes	No				
Country of Origin	USA	USA		USA	USA	USA	USA				
Shielded/Armored	No	Yes	No	No	No	Yes	No				
Jacket Color	Green/Black/White	Green/Black/White	Green	Natural/Green	Black	Black	White				
AWG	Pairs	Part #				Part #					
18	1	CL4Z181N060x	CL4Z181S060x			C4C-RFT40U01-18-1SR/W-0	C4C-RFT40F01-18-1SR/W-0				
	2	CL4Z182N060x	CL4Z182S060x	DEDN182U	DEDN182F	C4C-RFT40U01-18-2SR/W-0	C4C-RFT40F01-18-2SR/W-0	EWTX182PR			
	3	CL4Z183N060x	CL4Z183S060x			C4C-RFT40U01-18-3SR/W-0	C4C-RFT40F01-18-3SR/W-0				
	4	CL4Z184N060x	CL4Z184S060x	DEDN184U	DEDN184F	C4C-RFT40U01-18-4SR/W-0	C4C-RFT40F01-18-4SR/W-0	EWTX184PR			
	6	CL4Z186N060x	CL4Z186S060x			C4C-RFT40U01-18-6SR/W-0	C4C-RFT40F01-18-6SR/W-0				
	8	CL4Z188N060x	CL4Z188S060x	DEDN188U	DEDN188F	C4C-RFT40U01-18-8SR/W-0	C4C-RFT40F01-18-8SR/W-0	EWTX188PR			
	12										
16	1	CL4Z161N060x	CL4Z161S060x			C4C-RFT40U01-16-1SR/W-0	C4C-RFT40F01-16-1SR/W-0				
	2	CL4Z162N060x	CL4Z162S060x	DEDN162U	DEDN162F	C4C-RFT40U01-16-2SR/W-0	C4C-RFT40F01-16-2SR/W-0	EWTX162PR			
	3	CL4Z163N060x	CL4Z163S060x			C4C-RFT40U01-16-3SR/W-0	C4C-RFT40F01-16-3SR/W-0	EWTX163PR			
	4	CL4Z164N060x	CL4Z164S060x	DEDN164U	DEDN164F	C4C-RFT40U01-16-4SR/W-0	C4C-RFT40F01-16-4SR/W-0	EWTX164PR			
	6	CL4Z166N060x	CL4Z166S060x			C4C-RFT40U01-16-6SR/W-0	C4C-RFT40F01-16-6SR/W-0	EWTX166PR			
	8	CL4Z168N060x	CL4Z168S060x	DEDN168U	DEDN168F	C4C-RFT40U01-16-8SR/W-0	C4C-RFT40F01-16-8SR/W-0	EWTX168PR			
	12										
16	16										
Wire Color Codes											
Pair #1	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red			
Pair #2	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White			
Pair #3	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green			
Pair #4	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue			
Pair #5	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow			
Pair #6	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown			
Pair #7	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange			
Pair #8	Black/White	Black/White	Red/White	Red/White	Red/White	Red/White	Red/White	Red/White			
Pair #9											
Pair #10											
Pair #11											
Pair #12											
Pair #13											
Pair #4											
Pair #15											
Pair #16											

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Wet Location Cables

Rated for wet locations and outdoor ducts. Not direct burial unless stated.

Manufacturer	Southwire	Southwire	Belden	Belden	Marmon	Marmon	GCG				
Cable Family	CL4SS®	CL4SS®	FMPS Cables	FMPS Cables	COM-Link®	COM-Link®	Electrowire™				
Features	Features										
Pair Construction	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair				
Compliance Standards	CL4Z, CMG, LS-PVC, Wet Locations	CL4Z, CMG, LS-PVC, Wet Locations	CL4Z, CMG, Wet Locations, Sun Resistant	CL4Z, CMG, Wet Locations, Sun Resistant	CL4, CMG, FT4, Wet Location, Sun Resistant	CL4, CMG, FT4, Wet Location, Sun Resistant	CL3, FT4, PLTC, Wet Locations Sun Resistant				
Hybrid Fiber Available	No	No	Optional	Yes	Yes	Yes	No				
Country of Origin	USA	USA		USA	USA	USA	USA				
Shielded/Armored	No	Yes	No	No	No	Yes	No				
Jacket Color	Green/Black/White	Green/Black/White	Green	Natural/Green	Black	Black	White				
AWG	Pairs	Part #									
18	1	CL4Z181N060x	CL4Z181S060x			C4C-RFT40U01-18-1SR/W-0	C4C-RFT40F01-18-1SR/W-0				
	2	CL4Z182N060x	CL4Z182S060x	DEDN182U	DEDN182F	C4C-RFT40U01-18-2SR/W-0	C4C-RFT40F01-18-2SR/W-0	EWTX182PR			
	3	CL4Z183N060x	CL4Z183S060x			C4C-RFT40U01-18-3SR/W-0	C4C-RFT40F01-18-3SR/W-0				
	4	CL4Z184N060x	CL4Z184S060x	DEDN184U	DEDN184F	C4C-RFT40U01-18-4SR/W-0	C4C-RFT40F01-18-4SR/W-0	EWTX184PR			
	6	CL4Z186N060x	CL4Z186S060x			C4C-RFT40U01-18-6SR/W-0	C4C-RFT40F01-18-6SR/W-0				
	8	CL4Z188N060x	CL4Z188S060x	DEDN188U	DEDN188F	C4C-RFT40U01-18-8SR/W-0	C4C-RFT40F01-18-8SR/W-0	EWTX188PR			
	12										
16	1	CL4Z161N060x	CL4Z161S060x			C4C-RFT40U01-16-1SR/W-0	C4C-RFT40F01-16-1SR/W-0				
	2	CL4Z162N060x	CL4Z162S060x	DEDN162U	DEDN162F	C4C-RFT40U01-16-2SR/W-0	C4C-RFT40F01-16-2SR/W-0	EWTX162PR			
	3	CL4Z163N060x	CL4Z163S060x			C4C-RFT40U01-16-3SR/W-0	C4C-RFT40F01-16-3SR/W-0	EWTX163PR			
	4	CL4Z164N060x	CL4Z164S060x	DEDN164U	DEDN164F	C4C-RFT40U01-16-4SR/W-0	C4C-RFT40F01-16-4SR/W-0	EWTX164PR			
	6	CL4Z166N060x	CL4Z166S060x			C4C-RFT40U01-16-6SR/W-0	C4C-RFT40F01-16-6SR/W-0	EWTX166PR			
	8	CL4Z168N060x	CL4Z168S060x	DEDN168U	DEDN168F	C4C-RFT40U01-16-8SR/W-0	C4C-RFT40F01-16-8SR/W-0	EWTX168PR			
	12										
	16										
Wire Color Codes								Wire Color Codes			
Pair #1	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red			
Pair #2	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White			
Pair #3	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green			
Pair #4	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue			
Pair #5	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow			
Pair #6	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown			
Pair #7	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange			
Pair #8	Black/White	Black/White	Red/White	Red/White	Red/White	Red/White	Red/White	Red/White			
Pair #9											
Pair #10											
Pair #11											
Pair #12											
Pair #13											
Pair #4											
Pair #15											
Pair #16											

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		Direct Burial Cables Designed to be able to be buried directly beneath the ground without any added protection, piping, or sheathing.										
Manufacturer	Remee	Remee	EUPEN	Proterial	Boldyn	Windy City						
Cable Family	PowerPipe™	PowerPipe™				Outdoor Line Power						
Features												
Pair Construction	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair						
Compliance Standards	CL4Z, Direct Burial, Sun Resistant	CL4Z, Direct Burial, Sun Resistant	CL4, Wet Locations Direct Burial, Sun Resistant	CL4, Wet Locations Direct Burial, Sun Resistant	CL4, Wet Locations Direct Burial, Sun Resistant	CL4, Wet Locations Direct Burial, Sun Resistant	CMR, Direct Burial					
Hybrid Fiber Available	Yes	Yes	No	No	No	No						
Country of Origin	USA	USA				USA						
Shielded/Armored	Shielded	No	No	No	No	No						
Jacket Color	Black	Black	Black	Black	Black	Black						
AWG	Pairs	Part Number (x denotes configuration/ordering options)										
18	1	DE1P18ISQSPxxx	DE1P18OSPxxx									
	2	DE2P18ISQSPxxx	DE2P18OSPxxx									
	3	DE3P18ISQSPxxx	DE3P18OSPxxx									
	4	DE4P18ISQSPxxx	DE4P18OSPxxx									
	6	DE6P18ISQSPxxx	DE6P18OSPxxx									
	8	DE8P18ISQSPxxx	DE8P18OSPxxx									
	12											
	16											
16	1	DE1P16ISQSPxxx	DE1P16OSPxxx									
	2	DE2P16ISQSPxxx	DE2P16OSPxxx									
	3	DE3P16ISQSPxxx	DE3P16OSPxxx									
	4	DE4P16ISQSPxxx	DE4P16OSPxxx				164PDBDIGIELEC					
	6	DE6P16ISQSPxxx	DE6P16OSPxxx									
	8	DE8P16ISQSPxxx	DE8P16OSPxxx	HP16X16-CL4-B	WPN01613783	BN16X16-CL4-B						
	12											
	16											
Wire Color Codes Wire Color Codes												
Pair #1	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	Black/Red	White/Blue					
Pair #2	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	White/Orange					
Pair #3	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	Black/Green	White/Green					
Pair #4	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	Black/Blue	White/Brown					
Pair #5	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	Black/Yellow	White/Gray					
Pair #6	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Black/Brown	Red/Blue					
Pair #7	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Black/Orange	Red/Orange					
Pair #8	Red/White	Red/White	Red/White	Red/White	Red/White	Red/White	Red/Green					
Pair #9												
Pair #10												
Pair #11												
Pair #12												
Pair #13												
Pair #4												
Pair #15												
Pair #16												

VoltServer® Digital Electricity®
Gen2E Class 2 LPS Compatible Cable Table

Cable Manufacturer Website	How to buy/contact	Product info
Belden	Belden - Find-A-Distributor	Belden FMPS Cables
CommScope	CommScope - How to Buy	CommScope - Constellation Plenum Hybrid Class 4 Cable
Corning	Corning Authorized Distributors	Corning - Actifi
EUPEN	EUPEN - Contact Us	
Genuine Cable Group (GCG) (fka Electrowire)	Shop GCG	GCG - Line Power Cable
Marmon	Marmon - Contact Us	Marmon - COM-link cables
Proterial	Proterial - Sales Offices	Proterial - Cable Systems
Remee	Remee - Request for Information	Remee - Activate Powered Cable Solutions
Southwire	Southwire - Where-to-Buy	Southwire CL4SS™ Class 4 Non-Shielded Gen. Purpose Outdoor
Southwire	Southwire - Where-to-Buy	Southwire CL4SS™ Class 4 Shielded Outdoor / General Purpose
Tessco	Tessco - Support	
Windy City	Windy City - Contact Us	WCW - Digital Electricity Cables