

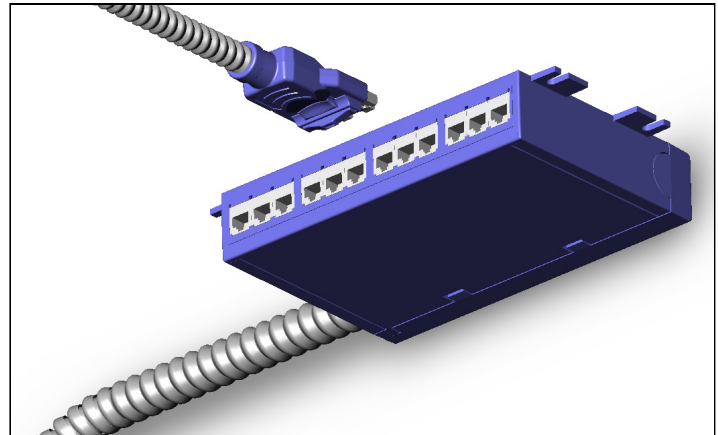
EZ-Cabling

Manufactured voice/data cabling system

EZ-Cabling® is a safe, reliable and cost-effective turn-key voice/data zone cabling solution.

From patch panel to workstation, pre-terminated connections provide cost savings during installation and maintenance. Moves, adds, and changes are all plug-in type connections.

Lightweight Ultralx® steel armour provides superior fire, mechanical, EMI and bend radius protection. Non-halogenated construction and RoHS compliant materials round out this superior alternative to traditional cabling.



GreenSpec
Listed - BuildingGreen.com

RoHS
Lead Free

LSZH
Low Smoke, Zero Halogen

Reusable
Plug-and-play Connections

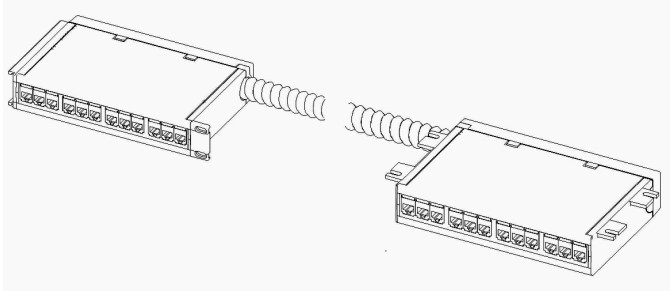
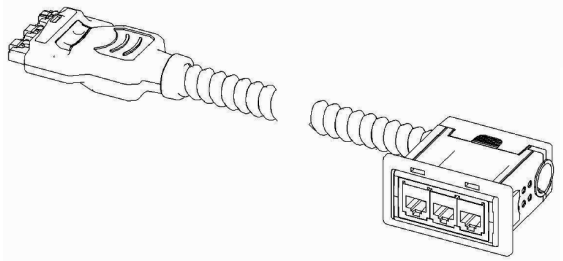
Features & Benefits

- **Manufactured and verified to ANSI/TIA/EIA-568 standards in a clean, controlled environment – not on the job site**
EZ-Cabling Trunk Cables and Drop Cables are certified and guaranteed to meet or exceed Category 5e or Category 6 performance standards. Performance data for every cable is logged and made available to customers.
- **Vendor-neutral utilizing standards-based components**
EZ-Cabling is compatible with most cable and connector manufacturers. Standards-based connectors allow for seamless integration with existing systems and equipment.
- **Reduces interference from sources of EMI**
Ultralx premium steel armour reduces susceptibility to electromagnetic interference enhancing network performance.
- **Steel fire barrier - Melting point >1300°C (2500°F)**
Ultralx premium steel armour acts as a fire barrier protecting cable in the event of fire.
- **Mechanical protection from excessive bend radius and crush**
Ultralx premium steel armour provides mechanical and bend radius protection as cables are being pulled through ceilings, floors and walls resulting in lower maintenance costs and down-time. Protect your investment.
- **Non-combustible, eco-friendly construction**
Reducing the risk of deadly fire and toxic gases, EZ-Cabling is constructed with non-combustible steel armour and low-smoke zero-halogen cable and assemblies.
- **Eliminates abandoned cable in air-handling spaces**
Modular, turn-key design of EZ-Cabling allows for simple, safe and cost-effective re-use, relocation and maintenance of your network cabling.
- **An intelligent building solution**
Plug-in connections make EZ-Cabling re-useable and re-locatable, not disposed of or abandoned when technology demands change.
- **Most economical of all comparable cabling solutions**
EZ-Cabling can be installed for less than cable in conduit and offers long term cost savings on cabling maintenance.

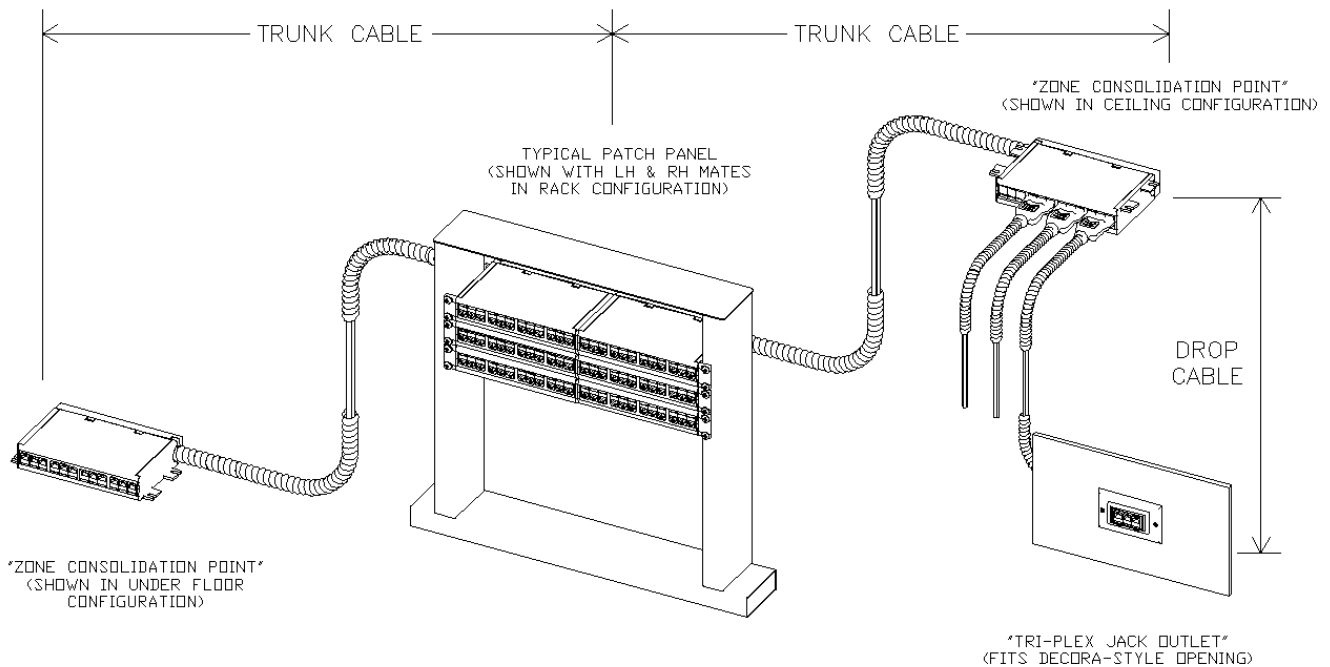
Components

EZ-Cabling is a versatile and flexible end-to-end pre-terminated horizontal cabling system comprising two main parts:

- (1) Trunk Cable
- (2) Drop Cable

Trunk Cable (RH panel end shown in ceiling configuration)	Drop Cable
	
<p>The Trunk Cable connects one-half of a 1U rack-mount patch panel to an 8 or 12-port Consolidation Point (CP) / Multi-User Telecommunications Outlet (MUTOA) with Ultralx armoured communication cables.</p> <p>Low profile (1U) height suitable for ceiling and under floor installations. Modular design allows cables to be easily site-reconfigurable for without disturbing connections.</p>	<p>The Drop Cable provides branch cabling to workstations for voice and data.</p> <p>EZ-Cabling's unique Tri-plex configuration allows for up to 3 modular RJ-type connections per drop.</p> <p>Workstation Jack end fits standard 'Decora' openings for easy installation in systems furniture and hard walls.</p> <p><small><i>"Decora" is a Registered Trade-mark of Leviton Mfg. Co.</i></small></p>

System Overview



EZ-Cablings Configurations

EZ-Cablings is presented in the following systems[†], carrying 8 or 12 four-pair UTP (or FTP) cables per zone.

EZ-Cablings is designed around a four-workstation zone distribution.

Each Trunk Cable is designed to feed four workstations each with the following configurations:

8 Circuit System

1 Voice
1 Data (Cat 5e/6/6A^{††})

12 Circuit System

1 Voice
2 Data (Cat 5e/6)

[†] Other configurations not presented here are available by contacting Electec

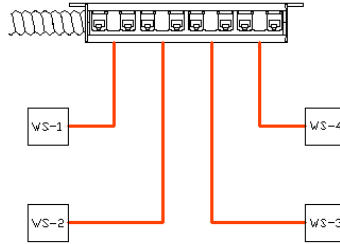
^{††} 8 Circuit system available in a shielded (FTP) Augmented Cat 6, 10-Gig System.

8 Circuit System

(1 Voice + 1 Data per workstation)



- Trunk Cable/Zone Consolidation Point feeds up to 4 workstations.
- One drop cable (2 port) per workstation allows for simple and flexible moves, adds & changes

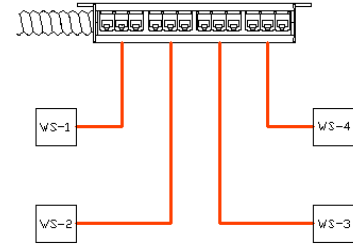


12 Circuit System

(1 Voice + 2 Data per workstation)



- Trunk Cable/Zone Consolidation Point feeds up to 4 workstations.
- One drop cable (3 port) per workstation allows for simple and flexible moves, adds & changes



Planning EZ-Cablings

- (1) Identify cabling system type (Cat 5e/Cat 6/Cat 6A). Other systems (e.g. fiber, hybrid) available on request.
- (2) Recognize your cabling distribution requirements. How many communication circuits required per workstation?
This points you to either an 8 Circuit or 12 Circuit system.
- (3) Using the 8 Circuit (1+1) or 12 Circuit (1+2) systems described above, divide the number of workstations by 4 to determine the base amount of Trunk Cables needed. Another rule of thumb, which “future-proofs” your space is to plan one Trunk Cable for every 300 square feet regardless of your workstation distribution.
- (4) Determine Trunk Cable lengths and quantities. Factor for unforeseen site conditions and future flexibility and/or relocation. Order both LH and RH trunk cables that will be installed together to create your patch panel.
- (5) Determine Drop Cable lengths for each zone/Trunk Cable.
- (6) Armed with the catalogue numbers on the next page, you are ready to create your bill of materials.

Design Assistance and Technical Support

Email: support@electeconline.com

Telephone: (613) 836-0300 or toll-free (866) 233-5328



Third Party Testing



- **Exceeds requirements of UL Standard 2043** (Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-Handling Spaces)
EZ-Cablings is acceptable for use in environmental air handling spaces other than ducts or plenums in accordance with NEC 300.22(c)

EZ-Cabling Catalogue Numbers

▪ **EZ-Cabling Horizontal Trunk Cable:**

1D-A _____ - BU _____ S

	
4 Voice, 4 Data (Cat 6 UTP, 568A)	= System '361008'
4 Voice, 4 Data (Cat 6A FTP, 568A)	= System '363008'

	
4 Voice, 8 Data (Cat 6 UTP, 568A)	= System '361012'
12 Voice / Data (Cat 5e UTP, 568A)	= System '351012'

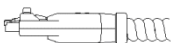
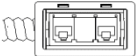
Trunk Cable, LH panel = 'TL'
Trunk Cable, RH panel = 'TR'

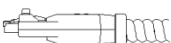
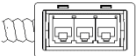
Length (150 = 15.0m) = 'III'

Available Lengths:	150 (15m / 49.2ft)	360 (36m / 118.1ft)	570 (57m / 187.0ft)	750 (75m / 246.0ft)
	180 (18m / 59.0ft)	390 (39m / 127.9ft)	600 (60m / 196.8ft)	780 (78m / 255.8ft)
	210 (21m / 68.9ft)	420 (42m / 137.8ft)	630 (63m / 206.6ft)	810 (81m / 265.7ft)
	240 (24m / 78.7ft)	450 (45m / 147.6ft)	660 (66m / 216.5ft)	840 (84m / 275.5ft)
	270 (27m / 88.6ft)	480 (48m / 157.4ft)	690 (69m / 226.3ft)	870 (87m / 285.4ft)
	300 (30m / 98.4ft)	510 (51m / 167.3ft)	720 (72m / 236.2ft)	900 (90m / 295.2ft)
	330 (33m / 108.2ft)	540 (54m / 177.1ft)		

▪ **EZ-Cabling Workstation Drop Cable:**

1D-A _____ - DLWH _____ S

	
1 Voice, 1 Data (Cat 6 UTP, 568A)	= System '361008'
1 Voice, 1 Data (Cat 6A FTP, 568A)	= System '363008'

	
1 Voice, 2 Data (Cat 6 UTP, 568A)	= System '361012'
3 Voice / Data (Cat 5e UTP, 568A)	= System '351012'

Length (150 = 15.0m) = 'III'

Available Lengths:	090 (9.0m / 29.5ft)	180 (18.0m / 59.0ft)	270 (27.0m / 88.6ft)	330 (33.0m / 108.2ft)
	120 (12.0m / 39.4ft)	210 (21.0m / 68.9ft)	300 (30.0m / 98.4ft)	360 (36.0m / 118.1ft)
	150 (15.0m / 49.2ft)	240 (24.0m / 78.7ft)		

Customized product may be available by contacting Electec

Options include: Optical Fiber, Hybrid Systems, Specialized Wiring (coaxial, fire alarm, audio/video etc.)
Backbone Applications
Bix Terminations
Custom colours, lengths, jacketing, armouring

Email: support@electeconline.com

Telephone: (613) 836-0300 or toll-free (866) 233-5328

www.electeconline.com