

# Commercial Infrastructure

## Communications, Sound & Security, and Fire Alarm Cables



**Datacom • Outside Plant & Indoor/Outdoor  
Multiconductor Sound, Security, & Fire Alarm**



**COMTRAN**

Innovative Systems. Engineered Solutions.

# INFRASTRUCTURE CABLES AT A GLANCE

## ABOUT COMTRAN

Comtran, located in Attleboro, MA, is a leading provider of specialty cable and system solutions for a variety of applications, including structured cabling, fire safety, circuit integrity, and both transit and military communications. Comtran has been a trusted source specifically in the commercial infrastructure market for over 30 years. We offer an extensive portfolio of low voltage communications cables for data, security, access control, and fire alarm applications. Comtran is an ISO 9001:2015 certified company and our products are RoHS compliant.

## APPLICATIONS

- Ethernet
- High Speed Voice & Data
- Intercom & Public Address Systems
- Central Office
- Fire Alarm Circuits
- Multiple Door Access Control

## MARKETS SERVED

- Business
- Education
- Hospitality
- Public Safety
- Utility

## MADE IN USA

All of Comtran's products are made in the USA. We ensure quality and performance before each product is shipped from our facility.



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# COM-Link® CATEGORY 6A & 6e

## CATEGORY 6A

23 AWG Solid Bare Copper Plenum Insulation: Fluoropolymer Riser Insulation: Polyolefin Plenum Jacket: Low Smoke, Flame-Retardant PVC Riser Jacket: Low Smoke PVC			
Part Number	Plenum/ Riser	Unshielded/ Shielded	Jacket Color
36506	Plenum	Unshielded	Blue
36507	Plenum	Unshielded	White
36535*	Plenum	Unshielded	Gray
36508	Riser	Unshielded	Blue
36509	Riser	Unshielded	White
36599*	Riser	Unshielded	Gray
36021	Plenum	Shielded	Blue
36022	Plenum	Shielded	White
36023*	Plenum	Shielded	Gray
36018	Riser	Shielded	Blue
36019	Riser	Shielded	White
36020*	Riser	Shielded	Gray

## CATEGORY 6e (550 MHz)

23 AWG Solid Bare Copper Plenum Insulation: Fluoropolymer/FRPP Riser Insulation: Polyolefin Plenum Jacket: Low Smoke, Flame-Retardant PVC Riser Jacket: Low Smoke PVC			
Part Number	Plenum/ Riser	Unshielded/ Shielded	Jacket Color
38600	Plenum	Unshielded	Blue
38601	Plenum	Unshielded	White
34932	Plenum	Unshielded	Gray
34277	Plenum	Unshielded	Green
34481	Plenum	Unshielded	Yellow
35920	Plenum	Unshielded	Orange
35334	Plenum	Unshielded	Red
35675	Plenum	Unshielded	Violet
36102	Plenum	Unshielded	Black
38677	Riser	Unshielded	Blue
38678	Riser	Unshielded	White
35882*	Riser	Unshielded	Gray
35897*	Riser	Unshielded	Green
35184	Riser	Unshielded	Yellow
35941**	Plenum	Shielded	Blue
35940**	Plenum	Shielded	White
35942***	Plenum	Shielded	Gray
35939***	Plenum	Shielded	Green
36292***	Plenum	Shielded	Yellow
35930**	Riser	Shielded	Blue
35946***	Riser	Shielded	White
35931***	Riser	Shielded	Gray
35928***	Riser	Shielded	Green
36026***	Riser	Shielded	Yellow

## SPECIALTY CATEGORY 6

Category 6 Outside Plant (OSP) 23 AWG Solid Bare Copper Insulation: Polyolefin Jacket: UV Resistant Polyethylene	
Part Number	Jacket Color
35911	Black
Category 6 LSZH 23 AWG Solid Bare Copper Insulation: Polyolefin Jacket: Low Smoke, Zero Halogen	
Part Number	Jacket Color
35950	Black
Category 6 Indoor/Outdoor 23 AWG Solid Bare Copper Insulation: Polyolefin Jacket: Low Smoke, Zero Halogen	
Part Number	Jacket Color
35952	Black

### Listings/Approvals:

- UL Type CMP (Cat 6A/6e/6 Plenum)
- UL Type CMR (Cat 6A/6e/6 Riser)
- ETL Verified ANSI/TIA-568-C.2 (Cat 6 OSP)
- UL Type CM-LS (Cat 6 LSZH & Cat 6 Indoor/Outdoor)

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\*Non-stock item. Lead time and MOQ may be required.

\*\*Category 6 250 MHz only.

# COM-Link® CATEGORY 5e

## CATEGORY 5e (350 MHz)

24 AWG Solid Bare Copper Plenum Insulation: Fluoropolymer/FRPP Riser Insulation: Polyolefin Plenum Jacket: Low Smoke, Flame-Retardant PVC Riser Jacket: Low Smoke PVC			
Part Number	Plenum/ Riser	Unshielded/ Shielded	Jacket Color
32567	Plenum	Unshielded	Blue
32347	Plenum	Unshielded	White
32644	Plenum	Unshielded	Gray
32539	Plenum	Unshielded	Green
32820	Plenum	Unshielded	Yellow
32568	Plenum	Unshielded	Orange
35900	Plenum	Unshielded	Violet
35799	Plenum	Unshielded	Black
32883	Riser	Unshielded	Blue
32881	Riser	Unshielded	White
32882	Riser	Unshielded	Gray
38654*	Riser	Unshielded	Green
38653*	Riser	Unshielded	Yellow
32854*	Plenum	Shielded	Blue
32648	Plenum	Shielded	White
32863*	Plenum	Shielded	Gray
35903*	Plenum	Shielded	Green
35913*	Plenum	Shielded	Yellow
32070	Riser	Shielded	Blue
32906	Riser	Shielded	White
38676*	Riser	Shielded	Gray
35905*	Riser	Shielded	Green
35914*	Riser	Shielded	Yellow

### Listings/Approvals:

- UL Type CMP (Cat 5e & 25 Pair Powersum Plenum)
- UL Type CMR (Cat 5e & 25 Pair Powersum Riser)
- ETL Verified ANSI/TIA-568-C.2 (Cat 5e OSP)
- UL Type CM-LS (Cat 5e LSZH)
- UL Type CMX Outdoor - CMR (Cat 5e Industrial Ethernet)

## CATEGORY 5e 25 PAIR POWERSUM

24 AWG Solid Bare Copper Plenum Insulation: Fluoropolymer Riser Insulation: Polyolefin Plenum Jacket: Fluoropolymer Riser Jacket: Flame-Retardant PVC			
Part Number	Plenum/ Riser	Unshielded/ Shielded	Jacket Color
35480	Plenum	Unshielded	Blue
35479	Plenum	Unshielded	White
35481	Plenum	Unshielded	Gray
35303	Riser	Unshielded	Blue
35301	Riser	Unshielded	White
35302	Riser	Unshielded	Gray
35923	Riser	Shielded	Gray

## SPECIALTY CATEGORY 5e

Category 5e Outside Plant (OSP) 24 AWG Solid Bare Copper Insulation: Polyolefin Jacket: UV Resistant Polyethylene	
Part Number	Jacket Color
35794	Black
Category 5e LSZH 24 AWG Solid Bare Copper Insulation: Polyolefin Jacket: Low Smoke, Zero Halogen	
Part Number	Jacket Color
35951	Black
Category 5e Industrial Ethernet 24 AWG Solid Bare Copper Insulation: Polyolefin Jacket: UV Resistant PVC	
Part Number	Jacket Color
35955	Black

\*Non-stock item. Lead time and MOQ may be required.

# TELECOMMUNICATIONS & ACCESS CONTROL

## CATEGORY 3

Part Number	Number of Pairs	Plenum/Riser	Unshielded/Shielded	Jacket Color
32114	3	Plenum	Unshielded	White
34757	3	Plenum	Unshielded	Green
32115	4	Plenum	Unshielded	White
32631	25	Plenum	Unshielded	White
33570	25	Riser	Unshielded	Gray
32632	50	Plenum	Unshielded	White
33572	50	Riser	Unshielded	Gray
32633	100	Plenum	Unshielded	White
33574	100	Riser	Unshielded	Gray

### Plenum Product Details:

- 24 AWG Solid Bare Copper
- Insulation: Plenum Low Smoke PVC
- Jacket: Plenum Low Smoke PVC
- UL Type CMP
- c(UL)US CMP

### Riser Product Details:

- 24 AWG Solid Bare Copper
- Insulation: Semi-Rigid PVC
- Jacket: Flame-Retardant PVC
- UL Type CMR
- c(UL)US CMR

## CATEGORY 1

Part Number	Number of Pairs	Plenum/Riser	Unshielded/Shielded	Jacket Color
32670	25	Plenum	Shielded	White
33589	25	Riser	Shielded	Gray

### Plenum Product Details:

- 24 AWG Solid Bare Copper
- Insulation: Plenum PVC
- Jacket: Plenum PVC
- c(UL)US CMP

### Riser Product Details:

- 24 AWG Solid Bare Copper
- Insulation: Semi-Rigid PVC
- Jacket: Flame-Retardant PVC
- c(UL)US CMR

## 4 ELEMENT ACCESS CONTROL

Part Number	Number of Cond.	Plenum/Riser	Jacket Color
34269	16	Plenum	Yellow
35170	16	Riser	Green

Element 1: 4C 18 AWG Unshielded  
 Element 2: 3 Pair 22 AWG Shielded  
 Element 3: 2C 22 AWG Unshielded  
 Element 4: 4C 22 AWG Unshielded

### Plenum Product Details:

- Insulation: Plenum Low Smoke PVC
- Jacket: Plenum Low Smoke PVC
- UL Type CL3P
- c(UL)US CMP

### Riser Product Details:

- Insulation: Flame-Retardant PVC
- Jacket: Flame-Retardant PVC
- UL Type CL3R
- c(UL)US CMR

# SOUND & SECURITY

## UNSHIELDED PRODUCTS

Part Number	Number of Cond.	Plenum/Riser	Jacket Color
22 AWG 7-Strand Bare Copper			
34950	2	Plenum	White
32772	2	Riser	Gray
34952	4	Plenum	White
32774	4	Riser	Gray
34954	6	Plenum	White
32776	6	Riser	Gray
18 AWG 7-Strand Bare Copper			
34842	2	Plenum	White
32794	2	Riser	Gray
38748*	2	Plenum	White
34843	3	Plenum	White
32795	3	Riser	Gray
34844	4	Plenum	White
32796	4	Riser	Gray
34846	6	Plenum	White
34848	8	Plenum	White
32800	8	Riser	Gray
34850	10	Plenum	White
18 AWG Solid Bare Copper			
32178	8	Plenum	White
16 AWG 19-Strand Bare Copper			
32282	2	Plenum	White
32836	2	Riser	Gray
32284	4	Plenum	White
32837	4	Riser	Gray
14 AWG 19-Strand Bare Copper			
32208	2	Plenum	White
32840	2	Riser	Gray
12 AWG 19-Strand Bare Copper			
32729	2	Plenum	White

## SHIELDED PRODUCTS

Part Number	Number of Cond.	Plenum/Riser	Jacket Color
22 AWG 7-Strand Bare Copper			
34869	2	Plenum	White
32783	2	Riser	Gray
34871	4	Plenum	White
32785	4	Riser	Gray
34873	6	Plenum	White
32787	6	Riser	Gray
34875	8	Plenum	White
32789	8	Riser	Gray
18 AWG 7-Strand Bare Copper			
34853	2	Plenum	White
32805	2	Riser	Gray
38749*	2	Plenum	White
34854	3	Plenum	White
32806	3	Riser	Gray
34855	4	Plenum	White
32807	4	Riser	Gray
34857	6	Plenum	White
32809	6	Riser	Gray
34859	8	Plenum	White
34861	10	Plenum	White
16 AWG 19-Strand Bare Copper			
32172	2	Plenum	White
32838	2	Riser	Gray

### Plenum Product Details:

- Insulation: Plenum Low Smoke PVC
- Jacket: Plenum Low Smoke PVC
- UL Type FPLP/CMP/CL3P
- c(UL) CMP

### Riser Product Details:

- Insulation: Semi-Rigid PVC
- Jacket: Flame-Retardant PVC
- UL Type FPLR/CMR/CL3R
- c(UL) CMG

\*Conductor color code is black/white as opposed to standard black/red.

# FIRE ALARM

## UNSHIELDED PRODUCTS

Part Number	Number of Cond.	Plenum/Riser	Jacket Color
18 AWG Solid Bare Copper			
38704	2	Plenum	Red
38696	2	Riser	Red
32763	2	Plenum	White
32520	2	Plenum	Blue
32528	2	Plenum	Green
33293	2	Plenum	Yellow
38705	4	Plenum	Red
38697	4	Riser	Red
16 AWG Solid Bare Copper			
38706	2	Plenum	Red
38698	2	Riser	Red
32573	2	Plenum	White
32521	2	Plenum	Blue
32524	2	Plenum	Orange
32529	2	Plenum	Green
33291	2	Plenum	Yellow
33290	2	Plenum	Black
38708	4	Plenum	Red
14 AWG Solid Bare Copper			
38709	2	Plenum	Red
38700	2	Riser	Red
32035	2	Plenum	White
33735	2	Riser	White
32522	2	Plenum	Blue
32525	2	Plenum	Orange
32532	2	Plenum	Green
33289	2	Plenum	Yellow
33288	2	Plenum	Black
38710	4	Plenum	Red
12 AWG Solid Bare Copper			
34977	2	Plenum	Red

## SHIELDED PRODUCTS

Part Number	Number of Cond.	Plenum/Riser	Jacket Color
18 AWG Solid Bare Copper			
34914	2	Plenum	Red
34228	2	Riser	Red
16 AWG Solid Bare Copper			
34909	2	Plenum	Red
14 AWG Solid Bare Copper			
34888	2	Plenum	Red
34242	2	Riser	Red

### Plenum Product Details:

- Insulation: Plenum Low Smoke PVC
- Jacket: Plenum Low Smoke PVC
- UL Type FPLP/CMP/CL3P
- c(UL) CMP

### Riser Product Details:

- Insulation: Semi-Rigid PVC
- Jacket: Flame-Retardant PVC
- UL Type FPLR/CMR/CL3R
- c(UL) CMG



# VITALink® CIRCUIT INTEGRITY

## PRODUCT MATRIX

Part Number	Number of Cond.	Solid/ Stranded	Unshielded/ Shielded
18 AWG Copper			
36337	2	Solid	Unshielded
36397	2	Solid	Shielded
16 AWG Copper			
35777	2	Solid	Unshielded
35785	2	Solid	Shielded
36341*	2	Stranded	Unshielded
14 AWG Copper			
36338	2	Solid	Unshielded
36316	2	Solid	Shielded
36340*	2	Stranded	Unshielded
12 AWG Copper			
36342*	2	Solid	Unshielded
36339*	2	Stranded	Unshielded

### Product Details:

- ANSI/UL 2196 2 Hour fire rating for use in FHIT System 40A (See UL Fire Directory R27557)
- CAN/ULC-S139 Certified with Hose Stream Test for use in FHIT7 System 40A
- UL Type FPLR-CI-LS, CMR-CI-LS, and CL3R-CI-LS
- CSA Listed FAS 105 ST1 FT4
- UL Subject 1424 for Power-Limited Fire Alarm Cables; 300V / 105°C
- UL Subject 13 for Power-Limited Circuit Cables; 300V / 105°C
- UL 444 Listed CMR-CI-LS for Communication Cable; 300V / 105°C
- NFPA 70, 72, 130, and 502
- Fire certified for power-limited system use at 72V phase-to-phase utilization voltage
- Sunlight Resistant
- For use in Wet Locations
- NYC Electrical Advisory Board approval #54502, April 2017
- California State Fire Marshal Approved
- RoHS Compliant

## OTHER VITALink® PRODUCTS

As part of the full VITALink® circuit integrity product line, Comtran also offers the below constructions. See Comtran's VITALink® brochure for more details.

### VITALink® Ethernet

- 2-4 Pairs (Solid Conductors)
- 18 AWG
- Shielded constructions
- Meets Cat 3 channel electricals
- Installation in EMT or IMC conduit

### VITALink® Armored

- 1-4 Pairs (Solid Conductors)
- 14 AWG
- Unjacketed & jacketed constructions
- Horizontal installation in Snake Tray® 505 series

\*Non-stock item. Lead time and MOQ may be required.

# CONTRACTOR CASH

Contractor Cash is a rebate program paid directly to contractors for all qualifying purchases made through our authorized distributors. In order to participate, contractors must purchase a minimum of 75,000 ft. of any combination of qualifying datacom products during each rebate round.

The rebates will run in 3 month increments, following the schedule below.

- Round 1: January 1<sup>st</sup> - March 31<sup>st</sup> | *Submissions due April 15<sup>th</sup>*
- Round 2: April 1<sup>st</sup> - June 30<sup>th</sup> | *Submissions due July 15<sup>th</sup>*
- Round 3: July 1<sup>st</sup> - September 30<sup>th</sup> | *Submissions due October 15<sup>th</sup>*
- Round 4: October 1<sup>st</sup> - December 31<sup>st</sup> | *Submissions due January 15<sup>th</sup>*

Please contact us for a full list of eligible products and rebate values:

## WARRANTY

### STANDARD WARRANTY

Comtran's standard cable warranty guarantees that our data communications cables will be free from defects due to manufacture for a period of one year from invoice date.

### PARTNER PREFERENCE 25 YEAR EXTENDED WARRANTY

Comtran's 25 year network system warranty includes both link and channel. These warranties will need to be registered by the end user with Comtran and will be administered by Comtran. Comtran will issue the system warranty in the event that the connectivity manufacturer of choice is not a current Comtran connectivity partner.

# OTHER PRODUCTS AND CAPABILITIES

## HUB-Link® RAIL TRANSIT

Rail Transit Cables:

- 2-200 Pair
- 22 AWG
- Cat 5e & Cat 6

New York City Transit Approved Cables:

- 6-200 Pair
- 22 AWG
- Product Class 20, Group 72



## DEFENSE-Link® MILITARY SHIPBOARD

NAVSEA-Approved Cables:

- Cat 5e Non-Waterblocked & Waterblocked
- Cat 5e Stranded
- Cat 6A Non-Waterblocked & Waterblocked

Cable Assemblies:

- 4 packaging options
- Pre-assembled & factory-tested



## MANUFACTURING CAPABILITIES

Insulation & Jacket Compounds

- PVC
- Polyethylene
- Crosslink Polyethylene
- Silicone
- Fluorinated Ethylene Propylene

Braiding & Shielding

- Wire sizes 38-34 AWG

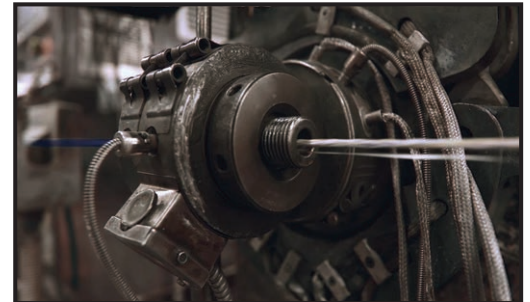
Twisting & Cabling

- 1-400 Pair
- Planetary cabling
- Bunchers
- Twinners

Extrusion

- High temp extrusion
- Profile & formed extrusion
- Wall thickness 0.010"-0.125"
- OD sizes 0.10"-1.78"

Custom requirements & constructions





# COMTRAN

Innovative Systems. Engineered Solutions.

## ABOUT US

- Made in USA
- UL Listed
- RoHS Compliant
- ISO 9001:2015 Certified

## MORE FROM COMTRAN

- DEFENSE-Link<sup>®</sup> Military Shipboard Solutions
- HUB-Link<sup>®</sup> Rail Transit Solutions
- VITALink<sup>®</sup> Circuit Integrity Solutions

## CONTACT US

330A Turner Street

Attleboro, MA 02703

Toll Free: 800-842-7809

Email: [sales@comtrancorp.com](mailto:sales@comtrancorp.com)

[www.comtrancorp.com](http://www.comtrancorp.com)



A Marmon Wire & Cable/Berkshire Hathaway Company