

6



BELDEN

COMMSCOPE®

CORNING

Section 6 Industrial Communication Cable

Industrial Ethernet	6.2–6.3
Industrial Twinax	6.4–6.7
Industrial Coax	6.8–6.9
Legacy Industrial Data	6.10–6.12
Industrial Fiber	6.13–6.30

THE Truth ABOUT Bending



Corning® ClearCurve® Multimode Fiber is fully standards compliant and backwards compatible. This means it mates seamlessly with other standards-compliant fibers and installs using the same tools and processes you're used to.

It comes standard in Corning Cable Systems 50 micron cables, so your cables have additional insurance against the pinches, pulls and pressures that *also* come standard in an enterprise network.



CORNING
LANscape®
Solutions

Get the truth about
bend-insensitive
multimode fiber
from the experts.

Industrial Ethernet

DataTuff Industrial Ethernet Cable Selection Guide

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Part No.	No. of Pairs	Shielding		Conductor		Installation		Environmental Features										Industrial Grade Jacket		
		Included	Stranded **	Solid	Stranded **	Installation Items Resistance††	Pull Tension	Oil Resistance	UV Sunlight Resistance	Weld - Splatter Resistance	CMX Outlines	Underground (UG)	Corrosive Resistance	UL20	MGAA	W/L Temp	Heavy	Upstart	Armor	
Category 5e Cable																				
7932A DataTuff	2	•		•		•	20	•	•										•	
7933A DataTuff	2		•	•		•	20	•	•										•	
7923A DataTuff	4	•		•		•	40	•	•		•								•	
7918A	4	•		•			35	•	•		•								•	
7924A	4	•			•	•	40	•	•		•								•	
7930A	4	•			•		25	•	•		•								•	
7922A PLTC	4	•		•		•	40	•	•		•								•	
7934A DataTuff	4	•		•		•	40	•	•			•							•	
7937A	4		•	•		•	40	•	•			•							•	
7939A	4		•	•	•	•	40	•	•		•								•	
7928A DataTuff	4	•		•		•	40	•	•			•							•	
11700A DataTuff	4	•		•		•	40	•	•		•								•	
11700A2 Oil Res 15ft	4	•		•		•	40	•	•										•	
121700A	4	•		•		•	40	•	•										•	
121700R	4	•		•		•	40	•	•										•	
7929A	4		•	•		•	35	•	•		•								•	
7919A	4		•	•			25	•	•		•								•	
7921A DataTuff	4		•	•		•	75	•	•		•								•	
7935A DataTuff	4	•		•		•	40		•										•	
7936A	4		•	•		•	40		•										•	
7938A High Flex	4		•		•	•	50	•	•	•									•	
Category 6 Cable																				
7927A	4	•		•		•	45	•	•										•	
7931A	4	•		•		•	40	•	•			•							•	
7940A DataTuff	4	•		•		•	45	•	•		•								•	
11872A	4	•		•		•	45												•	
7963A DataTuff	4		•	•		•	45	•	•		•								•	
121872A	4	•		•		•	45	•	•										•	

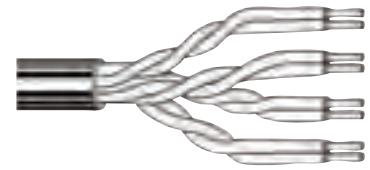
* Shielded products are recommended for high noise environments.
 ** Stranded products are recommended where more flexibility is needed.
 †† Products with Bonded-Pair technology provide installable Performance[®] advantages — refer to Belden's Bonded-Pair Cable Bulletin 48F02

This chart is meant to help the user in proper cable selection.

Industrial Ethernet Cables

BELDEN

The reliability of your industrial Ethernet network depends on the cable infrastructure: data transmission errors can lead to interruptions in critical control functions resulting in lost production time and even safety issues. Belden has the right solution for your network, regardless of the work environment, whether it be exposure to sun, oil, temperature variations, abrasion, crushing or the presence of EMI/RFI.



CMP - PLENUM

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category
CMP-00424FAXT-5E-02	7928A 0101000	24 AWG, 4 pair, solid BC conductors, sun-, oil- and gas-resistant FEP jacket	0.187	24	ANSI/TIA Category 5e
B7931A	7931A 0101000	23 AWG, 4 pair, solid BC conductors, sun-, oil- and gas-resistant FEP jacket	0.214	37	ANSI/TIA Category 6

CMR/CMX - OUTDOOR

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category
B7923A	7923A 0101000	24 AWG, 4 pair, solid BC conductors, sun- and oil-resistant PVC jacket	0.230	30	ANSI/TIA Category 5e
CM-00424CAXS-5E-02	7921A 0101000	24 AWG, 4 pair, solid BC conductors, foil + 70% TC braid, sun- and oil-resistant PVC jacket, 24 AWG solid spiral drain wire	0.330	54	ANSI/TIA Category 5e
CM-00424CAXH-5E-02	7918A 0101000	24 AWG, 4 pair, solid BC conductors, sun- and oil-resistant PVC jacket, non-bonded pairs	0.230	28	ANSI/TIA Category 5e
B7922A	7922A 0102000	22 AWG, 4 pair, solid BC conductors, sun- and oil-resistant PVC jacket	0.301	46	ANSI/TIA Category 5e
B7929A	7929A 0101000	24 AWG, 4 pair, solid BC conductors, overall foil shield, sun- and oil-resistant PVC jacket, 24 AWG stranded TC drain wire (200 MHz)	0.265	37	ANSI/TIA Category 5e
CM-00424BELS-C5E-02	7919A 0101000	24 AWG, 4 pair, solid BC conductors, overall foil shield, sun- and oil-resistant PVC jacket, 24 AWG stranded TC drain wire (100 MHz)	0.265	35	ANSI/TIA Category 5e

CMR - NONPLENUM RISER RATED

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category
CM-00424CAXI-6-02	7927A 0101000	23 AWG, 4 pair, solid BC conductors, E-Spline center member, industrial grade sun- and oil-resistant PVC jacket	0.251 x 0.339	44	ANSI/TIA Category 6
CM-00224BELI-5E	7933A 0101000	24 AWG, 2 pair, solid BC conductors, overall foil shield, sun- and oil-resistant PVC jacket, drain wire	0.235	32	ANSI/TIA Category 5e

CM/CMG - NONPLENUM

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category
CM-00424CAXA-6B-02	121700A 0103000	24 AWG, 4 pair, solid BC conductors, aluminum interlocked armor, inner and outer PVC jacket	0.553	116	ANSI/TIA Category 5e
CM-00424CAMA-7B-02	121872A 0101000	23 AWG, 4 pair, solid BC conductors, aluminum interlocked armor, inner and outer PVC jacket	0.688	219	ANSI/TIA Category 6
CM-00424CAMD-7B-02	11872A 0101000	23 AWG, 4 pair, solid BC conductors, upjacketed, industrial grade inner and outer PVC jacket	0.475 x 0.265	66	ANSI/TIA Category 6

CM LOW SMOKE ZERO HALOGEN JACKET

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category	Shield
CMZ-00424BEL-C5E-02	7935A 0101000	24 AWG, 4 pair, solid BC conductors, polyolefin insulation, LSZH jacket	0.230	19	ANSI/TIA Category 5e	No
CMZ-00424BEL-SC5E-02	7936A 0101000	24 AWG, 4 pair, solid BC conductors, foil shield, polyolefin insulation, LSZH jacket, 24 AWG stranded TC drain wire	0.265	34	ANSI/TIA Category 5e	Yes

WATER-BLOCKED, SUNLIGHT AND OIL RESISTANT

Anixter No.	Vendor No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Category
CM-00424BELDT-C5E-02	7937A 0101000	24 AWG, 4 pair, solid BC conductors, water-blocked, Beldfoil, PE inner jacket, sun- and oil-resistant PVC jacket, 24 AWG stranded TC drain wire, direct burial rated	0.276	33.5	ANSI/TIA Category 5e

Industrial Twinax

Blue Hose Cables

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SPECIFICATIONS

1. CONDUCTOR: 20 AWG stranded (7x28) tinned copper (B9463F has 42x36 stranding)
2. COLOR CODE: Clear, blue
3. INSULATION: Polyethylene (B89463 has FEP insulation)
4. VOLTAGE RATING: 300 V
5. SHIELDING: Overall Beldfoil (Z-Fold, 100% coverage) and tinned copper braid shield (coverage varies, see specification below)
6. NOMINAL IMPEDANCE: 78 ohms
7. NOM. VEL. OF PROP: 66% (B89463 is 69%)
8. NOMINAL ATTENUATION: 0.6 dB/100 ft. @ 1 MHz
 2.1 dB/100 ft. @ 10 MHz
 5.0 dB/100 ft. @ 50 MHz
 7.5 dB/100 ft. @ 100 MHz
 11.0 dB/100 ft. @ 200 MHz
 16.0 dB/100 ft. @ 400 MHz



APPLICATIONS

A standard industrial data cable designed for use in PLC and DCS applications. The products listed below are each uniquely suited for specific industrial environments.

Allen Bradley Part Number 1770-CD

PMSHA Specification: P-7K-SC-182141

UL Recognized AWM Style 2464

B129463 and B139463 are rated for hazardous locations. All but B9463F contain a TC drain wire.

Anixter No.	Jacket Material	Braid Coverage	Nominal O.D. (in.)	Temperature Rating	NEC Rating	Approx. Wt. lb./1,000 ft.	Notes/Special Features
B9463	Sunlight-resistant PVC	55%	0.238	80°C	CM CL2	39	Standard Blue Hose
B9463DB	Sunlight-resistant LDPE	55%	0.240	80°C	---	33	Direct Burial
B9463F	Sunlight-resistant PVC	85%	0.243	80°C	CM CL2	42	Highly Flexible
B89463	FEP	76%	0.203	200°C	CMP CL2P	34	Plenum Rated
B129463	Sunlight-resistant PVC	55%	0.553	60°C	CM CL2	143	Aluminum Interlock Armor
B139463	Sunlight-resistant PVC	55%	0.563	60°C	CM CL2	232	Steel Interlocked Armor
B189463	Sunlight-resistant PVC	55%	0.500	60°C	PLTC	127	Continuously Corrugated Aluminum

Industrial Twinax

DataTray 600 V Twinaxial Cables

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 18 AWG stranded (7x26) tinned copper
2. COLOR CODE: Natural, blue
3. INSULATION: Flame-retardant PO
4. JACKET: Blue sunlight-resistant PVC
5. SHIELDING: Overall Beldfoil (Z-Fold, 100% coverage) and 55% TC braid shield
6. TEMPERATURE RATING: 75°C
7. VOLTAGE RATING: 600 V
8. NOM. VEL. OF PROP: 65%
9. NEC RATING: CMG, ITC, TC, PLTC



APPLICATIONS

Industrial twinaxial cables that are suitable for use in cable trays. These cables are designed for use in PLC and DCS applications in industrial environments.

Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Impedance Ohms	Nominal Capacitance (pF/ft.)	Approx. Wt. lb./1,000 ft.
B3072F	0.192	0.324	78	19.5	69
B3073F	0.246	0.388	100	15.3	85
B3074F	0.328	0.460	124	12.3	118

Industrial Twinax for Square D PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 20 AWG stranded (7x28) tinned copper
2. COLOR CODE: Clear, blue
3. INSULATION: Polyethylene
4. JACKET: Blue PVC jacket
5. SHIELDING: Tinned copper braid shield (93% coverage)
6. RATINGS: UL AWM Style 2092 (300 V 60°C), NEC: CM
7. NOMINAL ATTENUATION:
 - 0.6 dB/100 ft. @ 1 MHz
 - 2.1 dB/100 ft. @ 10 MHz
 - 5.0 dB/100 ft. @ 50 MHz
 - 7.5 dB/100 ft. @ 100 MHz
 - 11.0 dB/100 ft. @ 200 MHz
 - 16 dB/100 ft. @ 400 MHz



Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Nominal Capacitance (pF/ft.)	Vel. of Prop. %	Impedance Ohms	Approx. Wt. lb./1,000 ft.
B9272	0.156	0.244	19.7	66	78	41

Industrial Communication Cable

Industrial Twinax

Industrial Twinax for Legacy PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 18 AWG stranded bare copper (one conductor has tinned copper center strand)
2. COLOR CODE: Clear, clear
3. INSULATION: Polyethylene
4. JACKET: Polyethylene inner, black non-contaminating PVC outer
5. SHIELDING: Double tinned copper braid shield (95% coverage)
6. RATINGS: 80°C, VW-1, RG Type 22B/U
7. NOMINAL ATTENUATION: 0.3 dB/100 ft. @ 1 MHz
0.9 dB/100 ft. @ 10 MHz
1.3 dB/100 ft. @ 20 MHz
2.1 dB/100 ft. @ 50 MHz
3.0 dB/100 ft. @ 100 MHz
6.3 dB/100 ft. @ 400 MHz



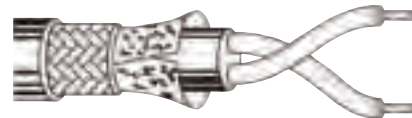
Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Nominal Capacitance (pF/ft.)	Vel. of Prop. %	Impedance Ohms	Approx. Wt. lb./1,000 ft.
B9250	0.285	0.416	16	66	95	121

Industrial Twinax for Invensys/Foxboro, Matsushita and Omron PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 20 AWG stranded - one tinned copper, one bare copper
2. COLOR CODE: Natural, natural
3. INSULATION: Polyethylene
4. JACKET: Polyethylene inner, black PVC outer
5. SHIELDING: Duofoil (100% coverage) and tinned copper braid shield (85% coverage)
6. RATINGS: 75°C, NEC; CMG CL2
7. NOMINAL ATTENUATION: 0.3 dB/100 ft. @ 1 MHz
1.2 dB/100 ft. @ 10 MHz
2.8 dB/100 ft. @ 50 MHz
4.1 dB/100 ft. @ 100 MHz
6.4 dB/100 ft. @ 200 MHz
10.2 dB/100 ft. @ 400 MHz



Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Nominal Capacitance (pF/ft.)	Vel. of Prop. %	Impedance Ohms	Approx. Wt. lb./1,000 ft.
B9207	0.236	0.330	14.5	66	100	68

Industrial Twinax for Honeywell PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 25 AWG stranded tinned copper
2. COLOR CODE: Clear, blue
3. INSULATION: Polyethylene
4. JACKET: Blue PVC
5. SHIELDING: Beldfoil (100% coverage), 22 AWG TC drain wire
6. RATINGS: UL AWM Style 2092 (300 V, 60°C), NEC: CM
7. NOMINAL ATTENUATION: 0.6 dB/100 ft. @ 1 MHz
1.7 dB/100 ft. @ 10 MHz
3.6 dB/100 ft. @ 50 MHz
5.0 dB/100 ft. @ 100 MHz
6.9 dB/100 ft. @ 200 MHz
9.6 dB/100 ft. @ 400 MHz



Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Nominal Capacitance (pF/ft.)	Vel. of Prop. %	Impedance Ohms	Approx. Wt. lb./1,000 ft.
B9271	0.170	0.240	12.2	66	124	28

Industrial Twinax

Industrial Twinax for Matsushita PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 16 AWG solid bare copper conductors
2. COLOR CODE: Clear, blue
3. INSULATION: Foam polyethylene
4. JACKET: Black PVC
5. SHIELDING: Duofoil (100% coverage) and tinned copper braid shield (90% coverage)
6. RATINGS: UL AWM Style 2448 (300 V 60°C), NEC: CMX
7. NOMINAL ATTENUATION: 0.2 dB/100 ft. @ 1 MHz
 0.7 dB/100 ft. @ 10 MHz
 1.8 dB/100 ft. @ 50 MHz
 2.9 dB/100 ft. @ 100 MHz
 4.1 dB/100 ft. @ 200 MHz
 6.2 dB/100 ft. @ 400 MHz



Anixter No.	Nominal Core O.D. (in.)	Nominal O.D. (in.)	Nominal Capacitance (pF/ft.)	Vel. of Prop.%	Impedance Ohms	Approx. Wt. lb./1,000 ft.
B9860	0.322	0.440	10.9	78	124	103

Industrial Twinax for Honeywell and GE PLC Systems

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 22 AWG (19x34) stranded tinned copper
2. COLOR CODE: Black, yellow
3. SHIELDING: Duofoil (100% coverage), 22 AWG TC drain wire
4. NOMINAL IMPEDANCE: 150 ohms
5. NOMINAL CAPACITANCE: 8.8 pF/ft. (conductor to conductor)
6. VEL. OF PROPAGATION: 78%
7. RATINGS: B89182 UL Style 2668 (30 V 60°C)
8. NOMINAL ATTENUATION: 0.4 dB/100 ft. @ 1 MHz
 1.2 dB/100 ft. @ 10 MHz
 2.7 dB/100 ft. @ 50 MHz
 4.3 dB/100 ft. @ 100 MHz
 6.2 dB/100 ft. @ 200 MHz
 8.8 dB/100 ft. @ 400 MHz



Anixter No.	Insulation Material	Jacket Material	Nominal Core O.D. (in.)	Nominal O.D. (in.)	NEC Rating	Approx. Wt. lb./1,000 ft.
B9182	Datalene	Black PVC	0.275	0.345	CMX CL2X	44
B89182	Foam FEP	Black FEP	0.278	0.307	CMP CL2P	49

Industrial Coax

Industrial Coax

BELDEN



Anixter No.	RG Type	Conductor Stranding/Dia./ AWG /Type	Insulation Material/ (OD in.)	Shield	Jacket Material/Color/ (OD in.)	Imped. Ohms	Rating	Approx. Wt. lb./1,000 ft.	Notes/ Special Features
B83269	RG188	7/0.0205/26/SCCS	TFE/0.058	96% SCC Braid	TFE Tape/WHT/0.098	50	----	12	----
B83267	RG187	7/0.012/30/SCCS	TFE/0.063	95% SCC Braid	TFE Tape/WHT/0.103	75	----	11	Rg 187 A/U Type
B9239	RG174	7/0.019/26/CCS	PE/0.044/PVC/0.056	90% TC Braid	PVC/BLK/0.101	50	----	8	Low Triboelectric Noise
B89269	RG62	1/0.025/22/CCS	FEP/0.142	94% BC Braid	FEP/BLK/0.200	93	CMP	36	----
B87269	RG62	1/0.025/22/CCS	FEP/0.142	94% BC Braid	PVDF/GRY/0.200	93	CMP	34	----
B86262	RG62	1/0.025/22/CCS	FFEP/0.146	94% BC Braid	FEP/WHT/0.204	93	CMP	35	----
B82262	RG62	1/0.025/22/CCS	FFEP/0.146	94% BC Braid	FR-PVC/WHT/0.204	93	CMP	30	Low Smoke
B82269	RG62	1/0.025/22/CCS	FEP/0.142	94% BC Braid	FR-PVC/WHT/0.200	93	CMP	34	Low Smoke
B9269	RG62	1/0.025/22/CCS	PE/0.146	95% BC Braid	PVC/BLK/0.239	93	CM, CL2	36	----
B9268	RG62	1/0.025/22/CCS	PE/0.146	95% BC Braid	PVC/BLK/0.260	93	CM, CL2	44	----
B9228	RG62	1/0.025/22/CCS	PE/0.146	95% BC Braid	HDPE/BLK/0.242	93	----	33	Direct Burial
B8255	RG62	7/0.024/24/CCS	PE/0.146	95% BC Braid	NC-PVC/BLK/0.242	93	CMX	34	----
B8254	RG62	1/0.025/22/BCCS	PE/0.146	95% BC Braid	PVC/BLK/0.238	93	----	36	Semi-solid PE
B7502A	RG59	19/0.031/22/SCBeCu	FPE/0.146	95% TC French Braid	PVC/BLU/0.242	75	----	34	Belflex
B9224	RG59	1/0.025/22/CCS	PE/0.146/PVC/0.154	93% BC Braid	PVC/BLK/0.242	75	----	39	Low Triboelectric Noise
B9555	RG59 DUAL	2x1/0.023/23/CCS	PE/0.146	95% BC Braid	PVC/BLK/0.238 x 0.478	75	CM	78	Dual
B89555	RG59 DUAL	2x1/0.023/23/CCS	FEP/0.134	97% BC Braid	FEP/CLR/0.212 x 0.424	75	CMP	90	Dual
B9223	RG58	7/0.030/22/TC	PE/0.036/PE/0.112	Duobond + 95% TC Braid	PVC/BLK/0.195	50	----	24	Low Triboelectric Noise
B9222	RG58	7/0.038/20/TC	PE/0.120	95% TC Braid + 85% TC Braid	PVC/YEL/0.241	50	----	37	----
B3094A	RG11	1/0.064/14/BCCS	FFEP/0.280	Quad	PVC/GRY/0.407	75	CMR, CL2R	67	Control Bus
B3095A	RG11	1/0.064/14/BCCS	FFEP/0.280	Quad	PVDF/GRY/0.387	75	CMP	76	Control Bus
B7504A	RG11	259/0.065/16/BC	FPE/0.285	95% TC French Braid	PVC/BLU/0.405	75	----	84	Belflex
B9888	RG8	7/0.108/11/BC	FPE/0.285	2-96% BC Braids	PE/BLK/0.480	50	----	140	Triax

Industrial Coax

Anixter No.	RG Type	Conductor Stranding/Dia./AWG /Type	Insulation Material/(OD in.)	Shield	Jacket Material/Color/(OD in.)	Imped. Ohms	Rating	Approx. Wt. lb./1,000 ft.	Notes/Special Features
B3131A	RG6	1/0.040/18/BCCS	FPE/0.180	Quad	PVC/GRY/0.300	75	CL2R, CMR	21	Control Bus
B3132A	RG6	1/0.040/18/BCCS	FFEP/0.170	Quad	PVDF/GRY/0.274	75	CMP	36	Control Bus
B7503A	RG6	105/0.040/20/BC	FPE/0.185	95% TC French Braid	PVC/BLU/0.275	75	AWM	40	Belflex
B123092A	RG6	1/0.040/18/BCCS	PVC/BLK/0.600	Quad	PVC/BLK/0.600	75	CM	150	Aluminum Interlocked Armor
B183092A	RG6	1/0.040/18/BCCS	FPE/0.180	Quad	PVC/BLK/0.570	75	CL2, CM	154	Aluminum Corrugated Armor
B3092A	RG6	1/0.040/18/BCCS	FPE/0.180	Quad	PVC/BLK/0.298	75	CL2R, CMR	37	Modbus
B3092F	RG6	105/0.040/20/BC	FPE/0.183	Quad	PVC/BLK/0.303	75	CL2R, CMR	44	Modbus
B3093A	RG6	1/0.040/18/BCCS	FFEP/0.170	Quad	PVDF/BLK/0.274	75	CMP	40	Also In Blue
B7500A	SUB MINI	7/0.012/30/TCB	FPE/0.056	95% TC French Braid	PVC/BLU/0.110	75	----	9	Belflex
B7501A	MINI	19/0.019/25/BC	FPE/0.090	95% TC French Braid	PVC/BLU/0.146	75	----	14	Belflex
B8700	MINI	1/0.013/28/TC	PP/0.023	90% BC Braid	PVC/BLK/0.054	32	CM	3	----
B89907	RG58	19/0.037/20/TC	FFEP/0.095	Foil + 93% TC Braid	PVDF/GRY/0.160	50	CMP, CL2P	24	10BASE-2
B82907	RG58	19/0.037/20/TC	FPFA/0.095	Foil + 93% TC Braid	FR-PVC/WHT/0.160	50	CMP, CL2P	24	10BASE-2
B9907	RG58	19/0.037/20/TC	FHDPE/0.102	Foil + 93% TC Braid	PVC/GRY/0.185	50	CM, CL2	25	10BASE-2
B89880	RG8	1/0.086/12/BC	FFEP/0.245	Quad	PVDF/ORG/0.375	50	CMP, CL2P	134	10BASE-5
B9880	RG8	1/0.086/12/BC	FPE/0.243	Quad	PVC/YEL/0.405	50	CM, CL2	131	10BASE-5

Industrial Communication Cable

Legacy Industrial Data

DataBus and PROFIBUS Cables

BELDEN

APPLICATIONS

Industrial Automation Cables used in DataBus ISA/SP-50 FOUNDATION Fieldbus and PROFIBUS applications. These two-conductor cables are shielded and PLTC rated.



FOUNDATION FIELDBUS/PROFIBUS PA

Anixter No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3076F	1 pair, 18 AWG stranded tinned copper conductors. 100% Beldfoil shield. PO insulation, orange PVC jacket. NEC: ITC, PLTC, CM	0.292	48

FOUNDATION FIELDBUS

Anixter No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3077F	1 pair, 22 AWG stranded tinned copper conductors, 100% Beldfoil shield, PO insulation, orange PVC jacket, NEC: PLTC CM	0.196	23
B3078F	1 pair, 22 AWG stranded tinned copper conductors, 100% Beldfoil shield, FHDPE insulation, orange PVC jacket, NEC: PLTC, CM	0.351	47

PROFIBUS DP

Anixter No.	Description	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3079A	1 pair, 22 AWG solid bare copper conductor, 65% TC braid + foil shield, FR-FPE insulation, chrome PVC jacket, NEC: PLTC, CMG	0.315	56
B3079E	1 pair, 22 AWG stranded bare copper conductors, 65% TC braid + foil shield, FR-FPE insulation, purple PVC jacket, NEC: PLTC, CMG	0.315	44

DeviceBus and DeviceNet Cables

BELDEN

APPLICATIONS

Industrial automation cables used for ODVA DeviceNet, Honeywell Smart Distributed System, Square D/Seriplex, and Phoenix Contact InterBus-S systems. All of these cables feature stranded conductors for increased flexibility. Two-pair constructions include one pair for data, and a larger gauge pair for power.



DEVICEBUS FOR ODVA DEVICENET

Anixter No.	Description	No. of Pairs	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B7897A	600 V, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC/nylon (power pair) and FEP (data pair) insulation, gray sun- and oil-resistant PVC jacket, ODVA Class 1 Thick, NEC: TC-ER	(1) 15 AWG TC, (1) 18 AWG TC	0.460	132
B7896A	600 V, ODVA Cable V, 2 pairs, overall 65% braid shield with individual foil shielded pairs, PVC/nylon (power) and FR-PP (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: TC-ER	(1) 16 AWG TC, (1) 18 AWG TC	0.525	165
B7900A	600 V, ODVA Cable V, 2 pairs, unshielded, PVC/nylon (power) and FR-PP (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: TC-ER	(1) 16 AWG TC, (1) 18 AWG TC	0.430	102
B3082A	300 V, ODVA Class 2 Thick, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: CMG, PLTC-ER	(1) 15 AWG TC, (1) 18 AWG TC	0.480	135
B3082F	300 V, ODVA Class 2 Thick, high-flex, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: CMG, PLTC-ER	(1) 15 AWG TC, (1) 18 AWG TC	0.480	135
B3083A	300 V, ODVA Class 2 Thick, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, yellow CPE jacket, NEC: CMG, PLTC	(1) 15 AWG TC, (1) 18 AWG TC	0.475	134
B3084A	300 V, ODVA Class 2 Thin, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray sun- and oil-resistant jacket, NEC: CL2, CMG	(1) 22 AWG TC, (1) 24 AWG TC	0.280	47
B3084F	300 V, ODVA Class 2 Thin, high-flex, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: CL2, CMG	(1) 22 AWG TC, (1) 24 AWG TC	0.275	45
B3085A	300 V, ODVA Class 2 Thin, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, yellow CPE jacket, NEC: CL2, CMG	(1) 22 AWG TC, (1) 24 AWG TC	0.280	47
B7895A	300 V, ODVA Cable III, 2 pairs, overall 65% braid shield with individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray sun- and oil-resistant PVC jacket, NEC: CMG, PLTC	(1) 18 AWG TC, (1) 20 AWG TC	0.378	84

DEVICEBUS FOR HONEYWELL SMART DISTRIBUTED SYSTEM

Anixter No.	Description	No. of Pairs	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3087A	Micro Cable (Drop), individually foil shielded pairs, PVC (power) and FPE (data) insulation, gray PVC jacket, NEC: CL2	(2) 22 AWG TC	0.290	41
B3086A	Mini Cable (Trunk), individually foil shielded pairs, PVC (power) and FPE (power) insulation, gray PVC jacket, NEC: CL2 (300 V, 80°C)	(1) 16 AWG TC, (1) 20 AWG TC	0.398	88

Continued on next page >>

Industrial Communication Cable

Legacy Industrial Data

(continued) DeviceBus and DeviceNet Cables

DEVICEBUS FOR SQUARE D/SERIPLEX

Anixter No.	Description	No. of Pairs	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3124A	2 pairs, overall Beldfoil shield, foam HDPE insulation, orange PVC jacket, 75°C, AWM Style 20201. NEC: CL2, CM. Seriplex CBL 162212-P16	(1) 18 AWG TC, (1) 22 AWG TC	0.308	47
B3125A	2 pairs, overall Beldfoil shield, foam HDPE insulation, orange PVC jacket, 75°C, NEC: CL2, CM. Seriplex CBL 162212-P16	(1) 16 AWG TC, (1) 22 AWG TC	0.368	63
B3126A	3 pairs (control, data, power), overall Beldfoil shield with drain wire, HDPE and PVC (power) insulation, orange PVC jacket, 75°C, NEC: CL2, CM. Seriplex CBL 162212-P16	(1) 16 AWG TC, (1) 22 AWG TC, (1) 12 AWG TC	0.486	112

DEVICEBUS FOR PHOENIX CONTACT INTERBUS-S

Anixter No.	Description	No. of Pairs	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3120A	3 pairs, overall foil and 90% braid shield, PE insulation, green PUR jacket, AWM Style 20233 (300 V, 80°C)	(3) 24 AWG TC	0.277	49

EIA Industrial RS-485 PLTC/CM Cables

BELDEN

SPECIFICATIONS

1. CONDUCTOR: 22 AWG stranded tinned copper conductors
2. INSULATION: Foam high-density Polyethylene
3. JACKET: Black UV resistant PVC
4. SHIELDING: Overall Beldfoil and tinned copper braid shield (65% coverage)
5. NOMINAL IMPEDANCE: 120 ohms
6. NOM. VEL. OF PROP: 78%
7. NOM. CAP. (pF/ft.): 11.0
8. RATINGS: 300 V
9. UL APPROVALS: CM and PLTC



Anixter No.	No. of Pairs	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
B3105A	1	0.284	46
B3106A	1.5	0.300	47
B3107A	2	0.350	58
B3108A	3	0.414	81
B3109A	4	0.448	90

Industrial Fiber

Double Jacket, Heavy-duty Cable

BELDEN

Gel-filled buffer tube prevents water migration. Available with up to 216 fibers.

Available in four fiber types:

- OM1, 62.5/125 μm , Std/1 Gb
- OM2, 50/125 μm , Std/1 Gb
- OM3, 50/125 μm , 10 Gb - 300 m
- OS2, Single-mode enhanced

SPECIFICATIONS

1. Temperature Range: Storage: -40 to +75°C, Operating: -40 to +75°C
2. Min. Bend Radius: Installation - 20 x OD. Long Term - 15 x OD
3. Jacket: Inner Jacket: PE, Outer Jacket: PE

APPLICATIONS

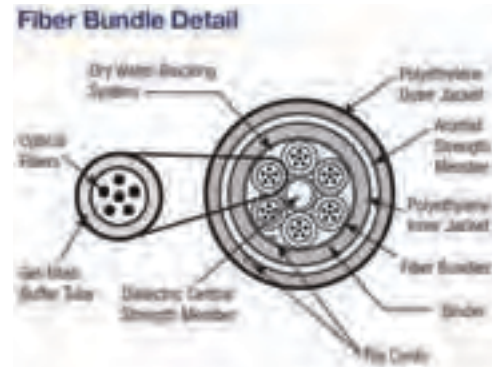
- Direct burial
- Harsh environment
- Applications requiring good ozone, moisture, and weather resistance

OS2 - SINGLE-MODE ENHANCED

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
372-BNTOS2-LTHD-06	B9W842	6	0.49	600
372-BNTOS2-LTHD-12	B9W844	12	0.49	600
372-BNTOS2-LTHD-24	B9W846	24	0.49	600
372-BNTOS2-LTHD-36	B9W847	36	0.49	600

OM3 - 50/125 μm - 10 GB - 300 M

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
372-BNTOM3-LTHD-06	B9C842	6	0.49	600
372-BNTOM3-LTHD-12	B9C844	12	0.49	600
372-BNTOM3-LTHD-24	B9C846	24	0.49	600
372-BNTOM3-LTHD-36	B9C847	36	0.49	600



Industrial Communication Cable

Industrial Fiber

Interlocked Armor Distribution Cable - Tight Buffered

BELDEN

Heavy-duty construction with interlocking aluminum armor (steel available on request) provides excellent mechanical protection from cutting or crushing and eliminates need for innerduct. Rodent resistant. Also available for outside plant. Loose tube available on request.

Available in all fiber counts and types (OM1, 62.5/125 μm ; OM2, 50/125 μm ; OM3, 50/125 μm ; 10G; OS2, Single-mode enhanced)

SPECIFICATIONS

1. Temperature Range: Storage: -40°C to +70°C, Operating: -20°C to +70°C
2. Crush Resistance: 2,000 N/cm
3. Impact Resistance: 2,000 impacts @ 3.0 N-m
4. Min. Bend Radius: Installation - 20 x OD. Long Term - 15 x OD
5. Jacket: PVC

APPLICATIONS

Industrial environments
Rugged installations
Manufacturing plants
Mining operations
Telecommunications and data trunk
Inter- and intra-building installations

RISER (NEC OFCR) - SINGLE-MODE ENHANCED

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
371-BNTOS2-TBAIRL-06	B9W230	6	0.570	286
371-BNTOS2-TBAIRL-12	B9W231	12	0.570	239
371-BNTOS2-TBAIRL-24	B9W232	24	0.670	641
371-BNTOS2-TBAIRL-36	B9W234	36	0.970	717

RISER (NEC OFCR) - OM3

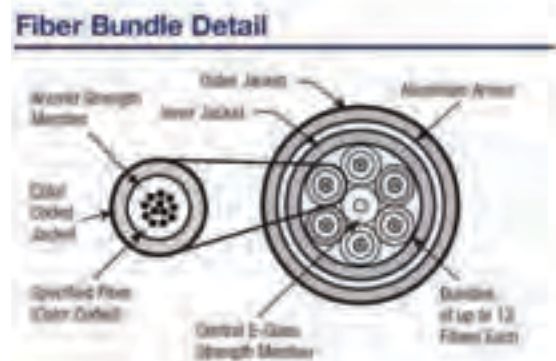
Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
371-BNTOM3-TBASJ-06	B9C230	6	0.570	286
371-BNTOM3-TBASJ-12	B9C231	12	0.570	239
371-BNTOM3-TBASJ-24	B9C232	24	0.670	641
371-BNTOM3-TBASJ-36	B9C234	36	0.970	717

PLENUM (NEC OFCP) - SINGLE-MODE ENHANCED

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
370-BEL8.3-TBAIRL-06	B9W240	6	0.570	286
370-BEL8.3-TBAIRL-12	B9W241	12	0.570	239
370-BEL8.3-TBAIRL-24	B9W242	24	0.670	641
370-BEL8.3-TBAIRL-36	B9W244	36	0.970	717

PLENUM (NEC OFCP) - OM3

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
370-BNTOM3-TBA-06	B9C240	6	0.570	286
370-BNTOM3-TBA-12	B9C241	12	0.570	239
370-BNTOM3-TBA-24	B9C242	24	0.670	641
370-BNTOM3-TBASJ-36	B9C244	36	0.970	717



Industrial Fiber

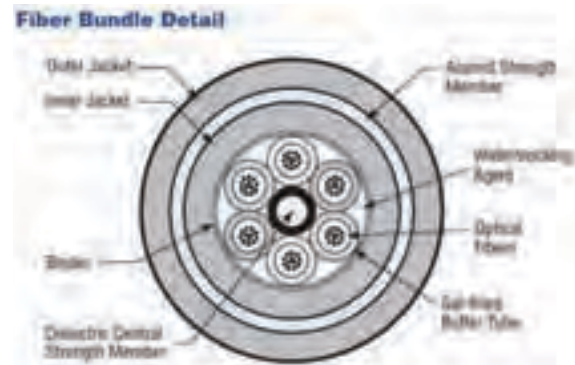
TrayOptic Heavy-duty, All-dielectric Cable

BELDEN

Laser Optimized Fiber to handle Gigabit Ethernet light sources and expanded bandwidth requirements. Passes IEEE 383-2003 flame test. Water-blocking agent for moisture protection. CPE outer jacket option provides extra chemical or abrasion resistance. Other fiber counts are available - call your local sales office.

SPECIFICATIONS

1. Temperature Range: Storage: -40 to +70°C, Operating: -40 to +70°C
2. Crush Resistance: 2,000 N/cm
3. Impact Resistance: 2,000 impacts @ 1.6 N-m
4. Cyclic Flexing: 25 cycles, 12 lb., 20 x OD radius min.
5. Min. Bend Radius: Installation - 20 x OD. Long Term - 15 x OD
6. Max Installation Load: 600 lb. (2700 N)
7. Jacket: Orange CPE or PVC
8. Ratings: UL OFNR, C(UL) PFM FT.4
9. Fiber Type: OM1 (62.5/125 μm)



APPLICATIONS

Industrial and other harsh environment applications
 Factory automation
 Direct burial

PVC JACKET

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)
BI100655	I100655	6	0.44
BI601255	I601255	12	0.44
BI602455	I602455	24	0.44

CPE JACKET

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)
BI100666	I100666	6	0.44
BI601266	I601266	12	0.44
BI602466	I602466	24	0.44

Industrial Communication Cable

Industrial Fiber

Distribution Cable - Tight Buffer - Indoor/Outdoor - Riser Rated

BELDEN

Flexible thermoplastic jacket provides excellent handling characteristics. Fibers and cable subunits are color-coded for easy identification. Length markings in meters for easy determination of cable length. Full dielectric construction, no grounding required. For riser offering, MSHA approved cables are available.

SPECIFICATIONS

1. Temperature Range: Storage: -40°C to +70°C; Operating: 0°C to +70°C
2. Min. Bend Radius: Installation 15 x OD. Long Term 10 x OD
3. Ratings: UL OFNR, C(UL) OFN FT.4, UL 1666
4. Jacket: PVC

APPLICATIONS

In-building backbone
 Fiber-to-the-desk applications
 Computer room

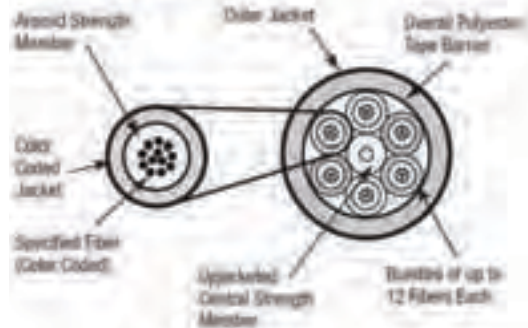
OS2 - SINGLE-MODE ENHANCED

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
371-BNTOS2-LTD-06	B9W039T	6	0.21	303
371-BNTOS2-LTD-12	B9W042T	12	0.24	303
371-BNTOS2-LTD-24	B9W601T	24	0.67	1,078
371-BNTOS2-LTD-36	B9W604T	36	0.67	1,348

OM3 - 50/125 μM, 10 GB - 300 M

Anixter No.	Vendor No.	No. of Fibers	Cable O.D. (in.)	Max. Tensile Load Installation (lb.)
371-NDX150LTD-06	B9C039T	6	0.21	303
371-NDX150LTD-12	B9C042T	12	0.24	303
371-NDX150LTD-24	B9C601T	24	0.67	1,078
371-NDX150LTD-36	B9C604T	36	0.67	1,348

Fiber Bundle Detail



Industrial Fiber

Industrial Fiber Optic Cables LSZH Single-jacket, 12-288 Fibers

CORNING CABLE SYSTEMS

Corning Cable Systems LSZH Industrial Fiber Optic Cables are designed for industrial building backbones and harsh environments atypical of traditional datacom systems. Based on the proven stranded loose tube cable designs, these industrial cables are flame retardant and have been tested to meet mechanical/environmental conditions exceeding the requirements set for traditional datacom cables. They have also demonstrated superior performance levels when tested to specified "tray" application requirements for compressive loading, cyclic impact and chemical resistance. The 250 μm color-coded individual fibers offer quick and easy identification during installation, with 50 μm, 62.5 μm and single-mode versions available.

A key life-safety benefit of the Corning Cable Systems Industrial Cables is the low smoke zero halogen (LSZH) sheath. PVC cables commonly used in harsh environments contain halogens, namely chlorine, in the jacket compound. When these cables combust, they give off fumes containing highly reactive halogens that combine with water to form highly overactive acids. These acids damage both living tissue and inorganic materials like metal and electronic equipment. As such, these gases can be deadly if breathed by humans. Corning Cable Systems LSZH Industrial Cables eliminate that risk in the event of fire. In addition, the LSZH compound does not drip when superheated. The LSZH material burns to ash, eliminating the onset of secondary fires commonly caused by MDPE and PVC cables.

FEATURES

- Key life-safety benefit: low smoke zero halogen (LSZH) sheath
- Superior performance: meets cyclic impact and chemical resistance tests
- Proven design: based on stranded loose tube cable
- Meets burn test criteria: listed OFN-LS and CSA FT4-ST1
- Gel-filled: available in cold temperature version
- Available with MSHA (Mine Safety and Health Administration) approval

Technical Information & Standards

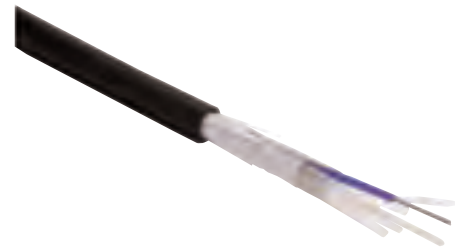
National Electrical Code (NEC) OFN-LS, CSA OFN FT4-ST1
 Sunlight resistant (SUN RES)
 IEEE-383 flame test, IEC 60332-3, IEC 60754-2, IEC 61034
 Suitable for direct burial (DIR BUR)
 ANSI/ICEA S-104-696; UL 13; UL 444; UL 1277; CSA C22 No. 230 and No. 232

APPLICATIONS

Outdoor aerial and duct; indoor general purpose horizontal according to NEC Article 770

62.5/125 MULTIMODE

Maximum attenuation: 3.4/1.0 dB/km (850/1300 nm); minimum LED: 200/500 MHz•km (850/1300 nm); effective modal bandwidth: 220 MHz•km (850 nm); serial Gigabit Ethernet distance: 300/550 m (850/1300 nm)



Anixter No.	Vendor No.	No. of Fibers	Cable O.D.		Max. Tensile Load				Min. Bend Radius			
					Installation		Long Term.		Installation		Long Term.	
			(in.)	(mm)	(lb.)	N	(lb.)	N	(in.)	(cm)	(in.)	(cm)
373-COR62-LTRAY-24	024KUZ-T4130D2N	24	0.49	12.5	600	2700	180	810	7.4	18.8	4.9	12.5
373-COR62-LTRAY-48	048KUZ-T4130D2N	48	0.49	12.5	600	2700	180	810	7.4	18.8	4.9	12.5
373-COR62-LTRAY-72	072KUZ-T4130D2N	72	0.49	12.5	600	2700	180	810	7.4	18.8	4.9	12.5
373-COR62-LTRAY-96	096KUZ-T4130D2N	96	0.60	15.3	600	2700	180	810	9.0	23.0	6.0	15.3
373-COR62-LTRAY-144	144KUZ-T4130D2N	144	0.74	18.9	600	2700	180	810	11.2	28.4	7.4	18.9

Industrial Communication Cable

Industrial Fiber

Mining and Petrochemical Fiber Optic Cables, 12-288 Fibers

CORNING CABLE SYSTEMS

Corning Cable Systems ALTOS LSZH cables are designed for indoor and outdoor use. The loose-tube cable construction, pioneered by Corning Cable Systems, places fibers in buffer tubes and provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications. The design also provides high fiber density within a given cable diameter while

allowing flexibility to suit many system designs. The outer jacket uses a flame-retardant, non-halogenated material with UV and chemical resistance and low flame spread.



FEATURES

- Gel-free design means that there is no gel in the buffer tubes. The buffer tubes are fully water-blocked, making cable access simple and requiring no cleanup
- Available in 62.5 μm , 50 μm , single-mode, and hybrid versions
- Standard 2.5 mm buffer tube size reduces the number of access tools required
- SZ-stranded, loose-tube design isolates fibers from installation and environmental rigors and allows for easy midspan access
- Specially formulated black, flame-retardant, non-halogenated material with UV and chemical resistance and low flame spread
- All-dielectric construction
- Ideal for industrial and tunnel applications
- Available with interlocking armor
- IEEE-383 compliant, IEC 60332-3, IEC 60754-2
- Listed OFN-LS and CSA OFN FT4-ST1 up to 288 fibers
- Available with MSHA (Mine Safety and Health Administration) approval
- Available with Gigabit Ethernet performance

APPLICATIONS

Interbuilding backbones in aerial and duct environments

Horizontal intrabuilding and tunnel backbones where low smoke zero halogen requirements exist

62.5/125 MULTIMODE

Maximum attenuation: 3.4/1.0 dB/km (850/1300 nm); minimum LED: 200/500 MHz•km (850/1300 nm); effective modal bandwidth: 220 MHz•km (850 nm); serial Gigabit Ethernet distance: 300/550 m (850/1300 nm)

Anixter No.	Vendor No.	No. of Fibers	Cable O.D.		Max. Tensile Load				Min. Bend Radius			
					Installation		Long Term.		Installation		Long Term.	
			(in.)	(mm)	(lb.)	N	(lb.)	N	(in.)	(cm)	(in.)	(cm)
373-COR62-LITRAYD-12	012KUL-T4630C2N	12	0.69	17.6	600	2700	180	810	10.4	26.4	6.9	14.0
373-COR62-LITRAYD-24	024KUL-T4630C2N	24	0.69	17.6	600	2700	180	810	10.4	26.4	6.9	17.6
373-COR62-LITRAYD-36	036KUL-T4630C2N	36	0.69	17.6	600	2700	180	810	10.4	26.4	6.9	17.6

Industrial Fiber

Industrial Fiber Optic Cables LSZH Corrugated Armored Cable, 12-288 Fibers

CORNING CABLE SYSTEMS

Corning Cable Systems LSZH Corrugated Armored Cable design is based on the proven stranded loose tube cable designs, these tray-rated industrial cables are flame-retardant and have been tested to meet mechanical/environmental conditions exceeding the requirements set for traditional datacom cables. When tested to specified "tray" application requirements, these cables have demonstrated superior performance levels for compressive loading, cyclic impact and chemical resistance. This ruggedized armored version offers additional mechanical protection and is also available in a gel-filled, cold temperature version. The 250 μm color-coded individual fibers offer quick and easy identification during installation, with 50 μm , 62.5 μm and single-mode versions available. A key benefit of the Corning Cable Systems Industrial Cables is the low smoke zero halogen (LSZH) sheath.

**FEATURES**

- Corrugated armor provides mechanical protection
- Meets cyclic impact and chemical resistance tests for superior performance
- Tray-rated per UL 13; UL 444; UL 1277; UL 1666; CSA C22.2 No. 230 and No. 232
- Listed OFCR-LS and CSA OFC FT4-ST1
- Tested to industrial ruggedness standards
- IEEE-383 compliant, IEC 60332-3, IEC 60754-2, IEC 61034
- Meets burn test criteria

APPLICATIONS

Designed for industrial building backbones and harsh environments atypical of traditional datacom systems

To order, contact your local sales representative.

Industrial Fiber Optic Cables LSZH Gel-Free Interlocking Armored Cable

CORNING CABLE SYSTEMS

When tested to specified "tray" application requirements, these cables have demonstrated superior performance levels for compressive loading, cyclic impact and chemical resistance. This gel-free interlocking armored version offers additional mechanical protection and is also available in a gel-filled, cold temperature version. The 250 μm color-coded individual fibers offer quick and easy identification during installation, with 50 μm , 62.5 μm and single-mode versions available. A key benefit of the Corning Cable Systems Industrial Cables is the low smoke zero halogen (LSZH) sheath.

**FEATURES**

- Interlocking armor provides mechanical protection
- Meets cyclic impact and chemical resistance tests for superior performance
- Listed OFC-LS and CSA OFC FT4-ST1
- IEEE-383 compliant, IEC 60332-3, IEC 60754-2, IEC 61034
- Tested to industrial ruggedness standards
- Meets burn test criteria

APPLICATIONS

Designed for industrial building backbones and harsh environments atypical of traditional datacom systems

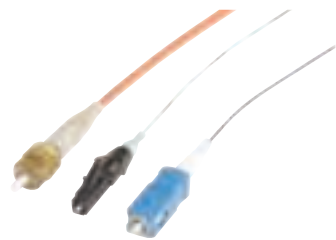
To order, contact your local sales representative.

Industrial Communication Cable

Industrial Fiber

UniCam Pretium-Performance Connectors

CORNING CABLE SYSTEMS



Anixter No.	Vendor No.	Description
338903	95-050-41-X	50 μ m LOMMF, ceramic ferrule, single pack
338912	95-050-51-X	50 μ m LOMMF, ceramic ferrule, single pack
338911	95-050-99-X	50 μ m LOMMF, ceramic ferrule, single pack
347845	TKT-UNICAM-PFC	UniCam Pretium Tool Kit

UniCam MTP Connectors

CORNING CABLE SYSTEMS



The Corning Cable Systems UniCam MTP Connector is the latest innovation in the proven UniCam Connector family. It is the first no-epoxy/no-polish, field-installable 12-fiber connector in the industry. It is the ideal solution for applications using 12-fiber ribbons. The UniCam MTP Connector utilizes the same reliable, proven, no-epoxy/no-polish technology as all other Corning Cable Systems UniCam Connectors. Unlike other field-installable connectors, the UniCam MTP Connector requires no polishing. The UniCam MTP Connector installs with the same push-pull reliability as the familiar SC connector.

SPECIFICATIONS

1. Insertion loss 0.5 dB average, 1.0 dB maximum
2. Reflectance -20 dB for MM, -65 dB for SM
3. Temperature cycling 0.3 dB change, -40° to +75°C; 21 cycles
4. Interconnect compatibility ANSI/TIA-604-5 (FOCIS)

FEATURES

- High-density termination replaces 12 single-fiber connectors
- Keyed for proper insertion
- Meets ANSI/TIA-604-5 (FOCIS)
- Color-coded, single-mode housings; 50 μ m and 62.5 μ m, multimode housings. All adapters are black
- Push-pull operation
- Alignment achieved with precision guide pins
- Terminates jacketed or bare 12-fiber ribbons in less than five minutes
- IEEE-802.3, Fibre Channel
- RoHS compliant product available

APPLICATIONS

Direct termination of ribbon cables
 Repair of Plug & Play Universal Systems Solutions trunk cables
 Parallel optical interconnects between servers

UNICAM MTP CONNECTORS

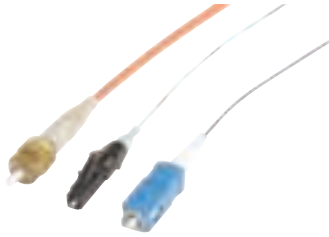
Anixter No.	Vendor No.	Description
327595	93-001-69	MM for 62.5 μ m fiber, beige housing and black boot, no pins
327598	93-001-70	MM for 62.5 μ m fiber, beige housing and black boot, with pins
251474	93-051-69	MM for 50 μ m fiber, black housing and black boot, no pins
327597	93-051-69-X	MM for laser-optimized 50 μ m fiber, black housing and aqua boot, no pins
327599	93-051-70	MM for 50 μ m fiber, black housing and black boot, with pins
327600	93-051-70-X	MM for laser-optimized 50 μ m fiber, black housing and aqua boot, with pins
327601	93-201-69	SM fiber, green housing and green boot, no pins
327602	93-201-70	SM fiber, green housing and green boot, with pins

UNICAM MTP CONNECTOR INSTALLATION TOOL KIT

Anixter No.	Vendor No.	Description
305588	TKT-UNICAM-MTP	UniCam MTP Connector Installation Tool Kit

UniCam Pretium-Performance Multimode Connectors LC, SC, ST Compatible

CORNING CABLE SYSTEMS



With UniCam Pretium-Performance Multimode Connectors, best-in-class optical performance is available in a fast, easy field-termination solution. These patented, high-precision, ceramic ferrule, multimode connectors guarantee a 0.1 dB-typical/0.5 dB-maximum insertion loss per connector pair for exceptional network performance. And with the UniCam Pretium Tool Kit, an LC, SC or ST Compatible connector can easily be installed in about 45 seconds. The lightweight, handheld installation tool and the high-performance cleaver virtually eliminate human variability from installation, ensuring terminations are performed right, the first time, every time. From the cleaver, with its integrated fiber scrap bin and dual-clamp precision hold, to the installation tool, with its immediate go/no-go feedback signal, the UniCam Pretium Tool Kit was thoughtfully designed with the needs of network installers in mind. Installation is as easy as strip, clean, cleave, cam and crimp, with exceptional optical performance guaranteed. Every UniCam Connector is 100 percent guaranteed to meet the published specification at the time of installation, or Corning Cable Systems will replace it.

FEATURES

- Typical insertion loss of 0.1 dB and maximum insertion loss of 0.5 dB for best-in-class optical performance
- Broad operating temperature range (-40° to +75°C) for true utility and flexibility
- The UniCam Pretium Tool Kit virtually eliminates human variability in installation, ensuring consistent, reliable results
- Pretium performance can be achieved with the UniCam Pretium Tool Kit or the standard UniCam Connector Tool Kit
- Available in single packs for installation on 3 mm, 2 mm, 1.6 mm and 900 micron cable
- UniCam Connector organizer packs are available for installation on 900 micron only. Organizer pack includes connector assembly and 900 micron boot only
- Fast-termination, high-installation yields and no consumables means lowest installed cost
- Factory-polished end-face for consistent optical performance and factory quality
- 100 percent factory tested for insertion loss
- 100 percent guaranteed (UniCam Connectors are guaranteed to meet the published specifications at the time of installation)
- Direct, 250 μm termination SC and LC connectors available
- Reliable, proven technology, with more than 40 million sold

APPLICATIONS

Main cross-connect, intermediate cross-connect, horizontal cross-connect
Ideal for fiber-to-the-workstation applications where installation setup and
teardown times are critical

Anywhere low-loss connectivity is critical

Data centers

LC CONNECTORS

UniCam Pretium-performance LC Connectors with ceramic ferrule and logo. Organizer packs are packs of 25 unassembled UniCam Connectors separated into components.

Anixter No.	Vendor No.	Description
338911	95-050-99-X	50 μm LOMMF, ceramic ferrule, single pack
348025	95-050-99-X-Z	50 μm LOMMF, ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338910	95-050-99	50 μm , ceramic ferrule, single pack
348026	95-050-99-Z	50 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338909	95-000-99	62.5 μm , ceramic ferrule, single pack
348027	95-000-99-Z	62.5 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only

SC CONNECTORS

UniCam Pretium-performance SC Connectors with ceramic ferrule and logo. Organizer packs are packs of 25 unassembled UniCam Connectors separated into components.

Anixter No.	Vendor No.	Description
338903	95-050-41-X	50 μm LOMMF, ceramic ferrule, single pack
347923	95-050-41-X-Z	50 μm LOMMF, ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338904	95-050-41	50 μm , ceramic ferrule, single pack
347920	95-050-41-Z	50 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338894	95-000-41	62.5 μm , ceramic ferrule, single pack
347919	95-000-41-Z	62.5 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only

ST COMPATIBLE CONNECTORS

UniCam Pretium-performance ST Compatible Connectors with ceramic ferrule and logo. Organizer packs are packs of 25 unassembled UniCam Connectors separated into components.

Anixter No.	Vendor No.	Description
338912	95-050-51-X	50 μm LOMMF, ceramic ferrule, single pack
347924	95-050-51-X-Z	50 μm LOMMF, ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338901	95-050-51	50 μm , ceramic ferrule, single pack
347925	95-050-51-Z	50 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only
338897	95-000-51	62.5 μm , ceramic ferrule, single pack
347926	95-000-51-Z	62.5 μm , ceramic ferrule, organizer pack, 25/pk, connector assembly and 900 micron boot only

UNICAM INSTALLATION TOOL KIT

Anixter No.	Vendor No.	Description
347845	TKT-UNICAM-PFC	UniCam Pretium Tool Kit

Industrial Communication Cable

Industrial Fiber

UniCam High-performance Single-mode Connectors
LC, SC, ST Compatible

CORNING CABLE SYSTEMS

With UniCam high-performance single-mode connectors, best-in-class optical performance is available in a fast, easy, field-termination solution for single-mode fibers. These patented, high-precision, ceramic ferrule LC, SC and ST Compatible single-mode connectors offer Pretium performance capability - an outstanding 0.2 dB typical/0.5 dB maximum insertion loss per connector pair when installed with the UniCam Pretium Tool Kit. This lightweight, handheld installation tool and the high-performance cleaver virtually eliminate human variability from installation, for terminations that are performed right, the first time, every time. The result: the superior optical performance that you require for your most demanding single-mode applications.

While UniCam high-performance single-mode connectors are compatible with the standard UniCam Connectors Tool Kit, the true high-performance capability of these connectors can only be guaranteed with the UniCam Pretium Tool Kit.

The UniCam Pretium Tool Kit can quickly install a UniCam Connector in about 45 seconds. From the cleaver, with its integrated fiber scrap bin and dual-clamp precision hold, to the installation tool with its immediate go/no-go feedback signal, the UniCam Pretium Tool Kit was thoughtfully designed with the needs of network installers in mind.

Installation is as easy as strip, clean, cleave, cam and crimp - with exceptional optical performance guaranteed. Every UniCam Connector is 100 percent guaranteed to meet the published specification at the time of installation, or Corning Cable Systems will replace it.

SPECIFICATIONS

1. Typical insertion loss: 0.2 dB
2. Maximum insertion loss: 0.5 dB
3. Reflectance (dB): PC -55

FEATURES

- Typical insertion loss of 0.2 dB and maximum insertion loss of 0.5 dB for best-in-class optical performance, when installed using the UniCam Pretium Tool Kit
- Broad operating temperature range (-40° to +75°C) for true utility and flexibility, when installed using the UniCam Pretium Tool Kit
- The UniCam Pretium Tool Kit virtually eliminates human variability in installation, ensuring consistent, reliable results
- Available in single packs for installation on 3 mm, 2 mm, 1.6 mm and 900 micron cable
- The UniCam Connector organizer packs for installation on 900 micron only. Organizer pack includes connector assembly and 900 micron boot only
- Fast-termination, high-installation yields and no consumables mean lowest installed cost
- Factory-polished end-face for consistent optical performance and factory quality
- 100 percent factory tested for insertion loss
- 100 percent guaranteed (UniCam Connectors are guaranteed to meet the published specification at the time of installation)

APPLICATIONS

Local area networks, including main cross-connect, intermediate cross-connect, horizontal cross-connect

Ideal for fiber-to-the-workstation applications where installation setup and tear-down times are critical

Anywhere low-loss connectivity is critical

Data centers

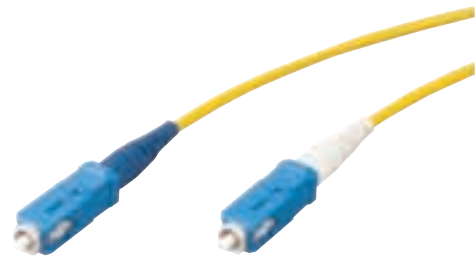
LC CONNECTORS



Organizer packs are packs of 25 unassembled UniCam Connectors separated into components.

Anixter No.	Vendor No.	Description
338908	95-200-99	Single-mode, ceramic ferrule, single pack
347927	95-200-99-Z	Single-mode, ceramic ferrule, organizer pack, connector assembly and 900 micron boot only

SC CONNECTORS



Anixter No.	Vendor No.	Description
338895	95-200-41	Single-mode, ceramic ferrule, single pack
347928	95-200-41-Z	Single-mode, ceramic ferrule, organizer pack, connector assembly and 900 micron boot only
360136	95-200-44	APC polish, ceramic ferrule, single pack
374610	95-200-44-Z	APC polish, ceramic ferrule, organizer pack, connector assembly and 900 micron boot only

ST COMPATIBLE CONNECTORS

Anixter No.	Vendor No.	Description
338899	95-200-51	Single-mode, ceramic ferrule, single pack
347930	95-200-51-Z	Single-mode, ceramic ferrule, organizer pack, connector assembly and 900 micron boot only

UNICAM CONNECTOR INSTALLATION TOOL KIT

Anixter No.	Vendor No.	Description
347845	TKT-UNICAM-PFC	UniCam Pretium Tool Kit

UniCam Connector Installation Tool Kits

CORNING CABLE SYSTEMS

Corning Cable Systems offers several tool kits for installation of UniCam Connectors. The flagship tool kit is the UniCam Pretium Tool Kit (TKT-UNICAM-PFC), a thoughtfully designed tool kit that virtually eliminates human variability from installation. The TKT-UNICAM-PFC includes a lightweight, hand-held installation tool with an immediate go/no-go feedback signal, providing unmistakable confirmation of a successful termination. The kit's high-performance cleaver has an integrated fiber scrap bin and a dual-clamp precision hold for the field fiber, with a diamond blade to achieve a superior cleave. The UniCam Pretium Tool Kit can be used with multimode or single-mode LC, SC and ST Compatible UniCam Connectors (standard and Pretium-performance), and is required to achieve Pretium-performance specifications for UniCam Pretium-performance Single-mode Connectors.

The standard UniCam Connector Installation Tool Kit (TKT-UNICAM) is a basic installation tool kit and can be used to terminate all single- and two-fiber UniCam Connector styles (SC, LC and ST Compatible connectors). UniCam Pretium-performance Multimode Connectors (SC, LC and ST Compatible connectors) can achieve Pretium-performance with the use of this tool.

The TEST-UNICAM-CTS converts an existing TKT-UNICAM Kit to add the CTS option to provide visual feedback when terminating UniCam SC, LC, ST Compatible Connectors. Useful for reducing scrap rates or training new installers, the TEST-UNICAM-CTS is very popular, since the installer can watch for the red glow in the back of the connector to dim or disappear. This indicates that the fiber is properly inserted into the connector.

Finally, the UniCam MTP Connector Installation Tool Kit (TKT-UNICAM-MTP) is designed for quick termination of ribbon cables using the UniCam MTP Connector. Conveniently packaged in an easy-to-carry hard case, the tool kit is compact and easy to carry around the job site. The UniCam MTP Connector is a single-ferrule design that terminates 12 fibers at a time in one connector.

The installation tool kit for this connector contains a high-performance ribbon cleaver for superior cleave performance. Also included in the kit is a ribbon-coating thermal stripper, ribbon insertion tool, crimp tool and fiber preparation and cleaning materials.

UniCam Pretium Tool Kit (TKT-UNICAM-PFC)

- Virtually eliminates human variability in installation, ensuring consistent, reliable results
- UniCam Pretium Installation Tool uses a go/no-go LED to provide unmistakable confirmation of a successful termination
- Pretium Flat Cleaver uses dual-clamp precision and a diamond blade for a superior cleave
- About 45 seconds per connector to install
- Sleek, well-organized carrying case with built-in conveniences for easy, on-the-go field terminations
- Tool kit designed to allow work out of the bag, eliminating set-up and tear-down time
- One kit terminates both single-mode and multimode LC, SC and ST Compatible connectors

Standard UniCam Connector Installation Tool Kit (TKT-UNICAM)

- Convenient carrying bag contains all of the components necessary to terminate UniCam Connectors
- Installs SC, LC and ST Compatible connectors in less than a minute
- One kit terminates both single-mode and multimode UniCam Connectors

UniCam MTP Connector Installation Tool Kit (TKT-UNICAM-MTP)

- Convenient padded hard-side carrying case
- One kit terminates both single-mode and multimode UniCam MTP Connectors

APPLICATIONS

UniCam Connector installations
 Local area networks (LANs), including main cross-connect, telecommunications room and telecommunications enclosures
 Fiber-to-the-desk
 Data centers

UNICAM PRETIUM TOOL KIT



The TKT-UNICAM-PFC includes a lightweight, hand-held installation tool with an immediate go/no-go feedback signal, providing unmistakable confirmation of a successful termination. The kit's high-performance cleaver has an integrated fiber scrap bin and a dual-clamp precision hold for the field fiber, with a diamond blade to achieve a superior cleave. The UniCam Pretium Tool Kit can be used with multimode or single-mode LC, SC and ST Compatible UniCam Connectors (standard and Pretium-performance), and is required to achieve Pretium-performance specifications for UniCam Pretium-performance Single-mode Connectors.

Anixter No.	Vendor No.	Description
347845	TKT-UNICAM-PFC	UniCam Pretium Tool Kit

TKT-UNICAM-PFC ACCESSORIES

Anixter No.	Vendor No.	Description
347846	FBC-015	UniCam Pretium cleaver with diamond blade
347972	TLC-UCP	UniCam Pretium Installation Tool
348034	FCC-WIPES	Package of Corning wipes, 90 pcs/pk.
348035	FCC-CLEANER-FIBER	Bottle of Corning fiber optic cleaning fluid
347849	VFL-A125	LC 1.25 mm VFL ferrule adapter
347855	VFL-A250	SC and ST Compatible 2.50 mm VFL ferrule adapter
347852	VFL-AKIT	LC 1.25 mm and SC and ST Compatible 2.50 mm VFL ferrule adapters
391035	CLEANER-PORT-2.5	Single-Fiber Port Cleaner for all 2.5 mm ferrule connectors such as FC, ST and SC; effective for PC, UPC and APC polishes
391036	CLEANER-PORT-LC	Single-Fiber Port Cleaner for LC, keyed LC and MU for both UPC and APC polishes

Continued on next page >>

Industrial Communication Cable

Industrial Fiber

(continued) UniCam Connector Installation Tool Kits

STANDARD UNICAM CONNECTOR INSTALLATION TOOL KIT



Basic installation kit for single-fiber UniCam Connectors, terminates single-fiber ST Compatible, SC and LC connectors; includes FBC-001 Score and Snap cleaver. Components for single-fiber Continuity Test Set (CTS) applications and visual fault locator (VFL) not included; includes all required fiber preparation and cleaning tools and materials.

Anixter No.	Vendor No.	Description
170006	TKT-UNICAM	Standard UniCam connector installation kit

TKT-UNICAM ACCESSORIES

Anixter No.	Vendor No.	Description
086541	FBC-001	Fiber cleaver, score and snap
223817	TEST-UNICAM-CTS	Converts an existing TKT-UNICAM kit to add the CTS option; contains splitter box, SC, ST Compatible, LC and MT-RJ CTS adapters and jumpers
249987	TER-CTS-SC	CTS adapter for UniCam SC connectors
249994	TER-CTS-ST	CTS adapter for UniCam ST-compatible connectors
264278	TER-CTS-LC	CTS adapter for UniCam LC connectors
251702	VFL-350	Visual fault locator, 635 nm penlight style
234819	CLEANER-UNIV-CASS	Universal connector cleaning cassette
391035	CLEANER-PORT-2.5	Single-Fiber Port Cleaner for all 2.5 mm ferrule connectors such as FC, ST and SC; effective for PC, UPC and APC polishes
391036	CLEANER-PORT-LC	Single-Fiber Port Cleaner for LC, keyed LC and MU for both UPC and APC polishes

UNICAM MTP CONNECTOR TERMINATION KIT



The UniCam MTP Connector Installation Tool Kit (TKT-UNICAM-MTP) is designed for quick termination of ribbon cables using the UniCam MTP Connector. Conveniently packaged in an easy-to-carry hard case, the tool kit is compact and easy to carry around the job site. The UniCam MTP Connector is a single-ferrule design that terminates 12 fibers at a time in one connector. The installation tool kit for this connector contains a high-performance ribbon cleaver for superior cleave performance. Also included in the kit is a ribbon-coating thermal stripper, ribbon insertion tool, crimp tool and fiber preparation and cleaning materials.

Anixter No.	Vendor No.	Description
305588	TKT-UNICAM-MTP	UniCam MTP Connector Installation Tool Kit

Industrial Fiber

Single-Fiber Port Cleaners

CORNING CABLE SYSTEMS



Single-Fiber Port Cleaners are designed to clean connector end-faces in patch panels and adapters. An integrated dust cap allows for cleaning unmated connector end-faces. Single-fiber port cleaners are proven effective for removing the following from connector end-faces: skin oil, hand lotion, Arizona road dust, pre- and post-mate graphite, salt, isopropyl and distilled water residues. These cleaners are simple to use and offer over 525 cleanings.

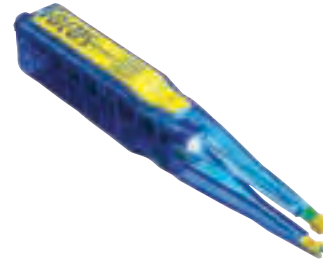
FEATURES

- Cleaning system rotates 180 degrees to provide a full cleaning of the connector end-face
- Extendable tip allows for cleaning in hard-to-reach spaces
- Cleaning fibers dissipate static to alleviate any electrostatic discharge concerns
- Easy-to-use pushing motion engages connector and initiates connector end-face cleaning

Anixter No.	Vendor No.	Description
391035	CLEANER-PORT-2.5	Single-Fiber Port Cleaner for all 2.5 mm ferrule connectors such as FC, ST and SC; effective for PC, UPC and APC polishes
391036	CLEANER-PORT-LC	Single-Fiber Port Cleaner for LC, keyed LC and MU for both UPC and APC polishes
391040	CLEANER-PORT-OTAP	Single-Fiber Port Cleaner for OptiTap Connector end-faces

Connector Removal Tool

CORNING CABLE SYSTEMS



Corning Cable Systems Connector Removal Tool (CRT-001) is designed to allow for easy removal and insertion of SC and small-form-factor connectors in high-density patch panels. Comes with an integrated flashlight to enable visibility in densely populated enclosures and low-light situations. Designed for comfortable one-handed operation, it features long, narrow jaws with universal tips that make connector insertion and removal easy, even in high-density patch panels.

FEATURES

- Integrated flashlight for increased visibility in dark patch panels
- Comfortable design makes it easy for small or large hands to use
- Long, narrow jaws smooth connector insertion and removal
- Contoured notch on one side of tip ensures proper latching

Anixter No.	Vendor No.	Description
333600	CRT-001	Connector Removal Tool with integrated flashlight and two standard AAA batteries

Industrial Communication Cable

Industrial Fiber

Closet Connector Housing Panels (CCH-CP)

CORNING CABLE SYSTEMS



Closet Connector Housing Panels are offered in 6-, 8-, 12-, 16- and 24-fiber panels for use with the LANscape Solutions hardware products. The panels are used with field-installable connectors or in applications where the preconnectorized cables are routed directly from the equipment to the interconnect hardware.

The panels are available with a variety of industry-standard adapter types. In most applications, the Closet Connector Housing Panels are designed for applications where specified labeling and connector identification are required. This is accomplished by the use of colored icons with different symbols molded into the icon.

FEATURES

- Designed to accommodate all industry-standard adapter types
- Unique color-coded connector labeling system
- Universal approach is used; one panel size fits in all standard LANscape Solutions hardware
- Available in 6-, 8- and 12-fiber-count options in most adapter styles; 16- and 24-fiber-count options available in MT-RJ and LC duplex styles

APPLICATIONS

The panels are used with field-installable connectors or in applications where the preconnectorized cables are routed directly from the equipment to the piece of interconnect hardware

Provides an efficient way to securely mate two or more connectors

6-FIBER CLOSET CONNECTOR HOUSING PANELS: FC ADAPTER

Anixter No.	Vendor No.	Description
180681	CCH-CP06-11	Six Corning Cable Systems universal adapter holders with FC, single-mode
214235	CCH-CP06-21	Six FC, angle polish, single-mode adapters with metal inserts, metal housings

6-FIBER CLOSET CONNECTOR HOUSING PANELS: SC ADAPTER (SIMPLEX)

Anixter No.	Vendor No.	Description
227053	CCH-CP06-3C	Single-mode, ceramic insert, composite housing
269782	CCH-CP06-6C	Angle polish, single-mode, ceramic insert, composite housing
180704	CCH-CP06-56	Multimode 62.5 μm , composite insert, composite housing

6-FIBER CLOSET CONNECTOR HOUSING PANELS: SC ADAPTER (DUPLEX)

Anixter No.	Vendor No.	Description
180435	CCH-CP06-59	Single-mode, ceramic insert, composite housing
180705	CCH-CP06-91	Multimode 62.5 μm , composite insert, composite housing
250694	CCH-CP06-G7	Standard 50 μm multimode, ceramic insert, composite housing
269475	CCH-CP06-E7	Laser-optimized 50 μm multimode, ceramic insert, composite housing

6-FIBER CLOSET CONNECTOR HOUSING PANELS: LC ADAPTER (DUPLEX)

Anixter No.	Vendor No.	Description
276744	CCH-CP06-A8	Multimode 62.5/125 adapters, ceramic insert, composite housing
343164	CCH-CP06-A9	Single-mode, ceramic insert, composite housing

6-FIBER CLOSET CONNECTOR HOUSING PANELS: MT-RJ ADAPTER

Anixter No.	Vendor No.	Description
203717	CCH-CP06-97	Multimode 62.5 μm
203723	CCH-CP06-98	Single-mode

8-FIBER CLOSET CONNECTOR HOUSING PANELS: SC ADAPTER (SIMPLEX)

Anixter No.	Vendor No.	Description
180718	CCH-CP08-39	Multimode 62.5 μm , metal insert, composite housing
180719	CCH-CP08-56	Multimode 62.5 μm , composite insert, composite housing

8-FIBER CLOSET CONNECTOR HOUSING PANELS: ST COMPATIBLE ADAPTER

Anixter No.	Vendor No.	Description
180714	CCH-CP08-15T	Threaded bulkhead, multimode 62.5 μm , ceramic insert, composite housing
180715	CCH-CP08-19T	Threaded bulkhead, single-mode, ceramic insert, composite housing
180716	CCH-CP08-25T	Threaded bulkhead, multimode 62.5 μm , composite insert, composite housing

8-FIBER CLOSET CONNECTOR HOUSING PANELS: SC ADAPTER (DUPLEX)

Anixter No.	Vendor No.	Description
180463	CCH-CP08-59	Single-mode, ceramic insert, composite housing
180720	CCH-CP08-91	Multimode 62.5 μm , composite insert, composite housing

12-FIBER CLOSET CONNECTOR HOUSING PANELS: SC ADAPTERS (SIMPLEX)



Anixter No.	Vendor No.	Description
278933	CCH-CP12-3C	Single-mode, ceramic insert, composite housing
271108	CCH-CP12-6C	Angle polish, single-mode, ceramic insert, composite housing
269695	CCH-CP12-56	Multimode 62.5 μm , composite insert, composite housing

12-FIBER CLOSET CONNECTOR HOUSING PANELS: 6 SC ADAPTERS (DUPLEX)

Anixter No.	Vendor No.	Description
180728	CCH-CP12-59	Single-mode, ceramic insert, composite housing
180729	CCH-CP12-91	Multimode 62.5 μm , composite insert, composite housing

Industrial Fiber

Anixter No.	Vendor No.	Description
250688	CCH-CP12-G7	Standard 50 μm multimode, ceramic insert, composite housing
255257	CCH-CP12-E7	Laser-optimized 50 μm multimode, ceramic insert, composite housing

12-FIBER CLOSET CONNECTOR HOUSING PANELS: ST COMPATIBLE ADAPTER



Anixter No.	Vendor No.	Description
207402	CCH-CP12-15T	Threaded bulkhead adapters, multimode 62.5 μm , ceramic insert, composite housing
207404	CCH-CP12-19T	Threaded bulkhead adapters, single-mode, ceramic insert, composite housing
207403	CCH-CP12-25T	Threaded bulkhead adapters, multimode 62.5 μm , composite insert, composite housing
309517	CCH-CP12-G5	Standard 50 μm multimode, ceramic insert, composite housing

12-FIBER CLOSET CONNECTOR HOUSING PANELS: 6 LC ADAPTERS (DUPLEX)

Anixter No.	Vendor No.	Description
242101	CCH-CP12-A7	Multimode 62.5 μm , metal insert, composite housing
272046	CCH-CP12-A8	Multimode 62.5 μm , ceramic insert, composite housing
242436	CCH-CP12-A9	Single-mode, ceramic insert, composite housing
250692	CCH-CP12-D3	Standard 50 μm multimode, ceramic insert, composite housing
272048	CCH-CP12-E4	Laser-optimized 50 μm multimode, ceramic insert, composite housing

12-FIBER CLOSET CONNECTOR HOUSING PANELS: 6 MT-RJ ADAPTERS

Anixter No.	Vendor No.	Description
203720	CCH-CP12-97	Multimode 62.5 μm
206354	CCH-CP12-98	Single-mode
250691	CCH-CP12-G1	Standard 50 μm multimode, composite housing
278931	CCH-CP12-E1	Laser-optimized 50 μm multimode, composite housing

24-FIBER CLOSET CONNECTOR HOUSING PANELS: 12 MT-RJ ADAPTERS

Anixter No.	Vendor No.	Description
203722	CCH-CP24-97	Multimode 62.5 μm
203727	CCH-CP24-98	Single-mode
255254	CCH-CP24-E1	Laser-optimized 50 μm multimode, composite housing

24-FIBER CLOSET CONNECTOR HOUSING PANELS: 12 LC ADAPTERS (DUPLEX)



Anixter No.	Vendor No.	Description
252145	CCH-CP24-A7	Multimode 62.5 μm , metal insert, composite housing
267889	CCH-CP24-A8	Multimode 62.5 μm , ceramic insert, composite housing
252146	CCH-CP24-A9	Single-mode, ceramic insert, composite housing
265058	CCH-CP24-D3	Standard 50 μm multimode, ceramic insert, composite housing
255256	CCH-CP24-E4	Laser-optimized 50 μm multimode, ceramic insert, composite housing

MTP CONNECTOR PANELS



Anixter No.	Vendor No.	Description
319325	CCH-CP72-E3	72-fiber standard 50 μm multimode, ceramic insert, composite housing
367549	CCH-CPE4-E3	144-fiber standard 50 μm multimode, ceramic insert, composite housing
349511	CCH-CPE4-G3	144-fiber laser-optimized 50 μm multimode, ceramic insert, composite housing

6-FIBER CLOSET CONNECTOR HOUSING PANELS: ST COMPATIBLE ADAPTER

Anixter No.	Vendor No.	Description
314850	CCH-CP06-G5	Standard 50 μm multimode, ceramic insert, composite housing
180699	CCH-CP06-19T	Threaded bulkhead, single-mode, ceramic insert, composite housing
317729	CCH-CP06-E5	Laser-optimized 50 μm multimode, ceramic insert, composite housing
180701	CCH-CP06-25T	Threaded bulkhead, multimode 62.5 μm , composite insert, composite housing

Q: Will the connector panels fit both the wall-mount and rack-mount LANscape housings?
 A: Yes, trying to remember which panels work with which housings can be very confusing. That is why all Corning LANscape connector panels are interchangeable.

Industrial Communication Cable

Industrial Fiber

Industrial Connector Housing (ICH)

CORNING CABLE SYSTEMS



The Corning Cable Systems Industrial Connector Housing (ICH) family is ideal for manufacturing and industrial applications. The housings are fabricated from aluminum with a baked-on, black powder-coated finish. The ICH may be used indoors or out. It is designed to accommodate conduit with the provided concentric knockouts and accepts standard CCH connector panels and connector modules. Splicing is accomplished with the splice tray holding kit, which may be ordered separately.

The units have a padlockable outer door and a separate inner door that protects the provider side of the unit from unauthorized access. The inner door may also be locked by using an optional key lock kit. Carrying a NEMA 250-1997 3S rating, the ICH is perfect for protecting the network infrastructure in industrial environments.

FEATURES

- NEMA 250-1997 3S rated
- UL Listed to U.S. and Canadian safety standards
- Aluminum construction
- Tough, baked-on, smooth black powder-coated finish
- Accommodates conduit fittings
- Accepts standard CCH connector panels and modules
- Routing guides and cable strain-relief provisions included
- Gasketed hinged cover
- Keyhole mounting holes for fast installation
- Solid welded construction
- Supplied with blank CCH connector panels
- Grounding stud and bus bar included
- Padlockable with user-supplied padlock
- Inner door lockable with optional lock kit
- UCC cable clamp included
- Splicing available with optional splice kit
- As with all Corning Cable Systems housings, all of the accessories required to properly install the housing are included

APPLICATIONS

Manufacturing and industrial networks
 High fiber count to the work area or machine cell
 Optical fiber connectivity where a telecommunications room is not available
 Machine communications and process control
 Building automation systems

INDUSTRIAL CONNECTOR HOUSING (ICH)

Anixter No.	Vendor No.	Description
250825	ICH-02P	Accepts two CCH connector panels or modules; supplied with blank panels and one UCC clamp kit
250826	ICH-06P	Accepts six CCH connector panels or modules; supplied with blank panels and one UCC clamp kit
250827	ICH-12P	Accepts 12 CCH connector panels or modules; supplied with blank panels and one UCC clamp kit

ACCESSORIES

Anixter No.	Vendor No.	Description
185322	HDWR-LOCK-KIT	Lock kit for front door of housing; contains one lock with two keys
263462	FDC-CABLE-GRND	Armored cable grounding kit; contains one armored grounding clip and one ground strap
312958	ICH-SPLC-2	Splice tray holder kit for ICH-02P; contains tray bracket and retaining strap; accommodates four Type 2R or two Type 4R splice trays
312959	ICH-SPLC-6	Splice tray holder kit for ICH-02P; contains tray bracket and retaining strap; accommodates six Type 2R or three Type 4R splice trays
312960	ICH-SPLC-12	Splice tray holder kit for ICH-02P; contains tray bracket and retaining strap; accommodates 12 Type 2R or six Type 4R splice trays

Industrial Fiber

Industrial Splice Housing (ISH)

CORNING CABLE SYSTEMS



The Corning Cable Systems Industrial Splice Housing (ISH) is ideal for manufacturing and industrial applications. The housing is finished with a baked-on silver-gray powder-coated finish and may be used indoors or outdoors. Wall-mountable for transition splicing between cable at building entrance or pigtail splicing, the ISH provides storage and protection of fiber splices in individually accessible trays. The units have a padlockable outer door. The ISH is designed to accommodate conduit fittings with the provided plugs and reduction washer, and it accepts standard LANscape Solutions splice trays. The Industrial Splice Housing is also compatible with Corning Cable Systems Industrial Connector Housings ICH-02P-IND, ICH-06P-IND and ICH-12P-IND.

FEATURES

- NEMA 250-1997 3S and IP64, 65, 66, 67 and 69 tested
- Accepts standard LANscape Solutions splice trays
- Keyhole mounting holes speed installation
- Padlockable with user-supplied padlock for secured access
- Reliability in harsh environments

INDUSTRIAL SPLICE HOUSING (ISH)

Anixter No.	Vendor No.	Description
394415	ISH-12SPT	Industrial Splice Housing; accepts up to 12 Type 2S splice trays

ACCESSORIES

Anixter No.	Vendor No.	Description
263462	FDC-CABLE-GRND	Armored cable grounding kit; contains one armored grounding clip and one ground strap

Single Panel Housing (SPH-01P)

CORNING CABLE SYSTEMS



The Corning Cable Systems Single Panel Housing (SPH-01P) is a cost-effective housing for storage, protection and termination of optical fiber cables. Accepting standard LANscape Solutions CCH connector panels, the housing offers protection for the fiber cable and connectors in the physical plant. This compact unit is ideal for use in locations such as building entrance terminals, wiring closets, open office and other controlled environments where space is at a premium.

FEATURES

- Accepts one CCH connector panel
- Includes a 6-slot, 0.4 in. splice holder accommodating up to 12 heat-shrink splices
- Can be used for splice management, cross-connect or both for up to 12 fibers
- 1.5 in. projection from the wall minimizes space requirements for Corning Cable Systems smallest offering (2.0 in. including plungers)
- Excellent for interconnect and cross-connect functions
- Provided top and bottom cable entry grommets allow for midspan access and environmental sealing
- Cost effective for customer premises or remote locations
- Durable black metal housing
- As with all Corning Cable Systems housings, all of the accessories required to properly install the housing are included

APPLICATIONS

Indoor wall-mount installations
 Telecommunications rooms, closets and enclosures, small spaces
 DOT Traffic Control cabinets and industrial PLC cabinets
 12-fiber interconnect and splicing

SINGLE PANEL HOUSING (SPH-01P)

Anixter No.	Vendor No.	Description
313351	SPH-01P	Single panel wall-mount housing accommodating one CCH connector panel. Also includes a six-slot, 0.4 in. splice holder and can be used for splice management, cross-connect, or both up to 12 fibers. CCH panels ordered separately

ACCESSORIES

Anixter No.	Vendor No.	Description
313352	SPH-01P-BKT	Ledge-mount bracket used to mount to the top of a ledge

Industrial Communication Cable

Industrial Fiber

Environmental Distribution Center (EDC)

CORNING CABLE SYSTEMS



The Corning Cable Systems Environmental Distribution Center (EDC) product family incorporates design features that allow the product to better accommodate the changing requirements and growing needs of fiber optic networks. By improving on the original design, the EDC product family continues to set the standard for the future of interconnect hardware. As a component of Corning Cable Systems LANscape Fiber Cabling Solutions, the EDC will accept Closet Connector Housing (CCH) panels and splice trays.

Designed for the storage and protection of fiber optic connections and splices in indoor or outdoor environments, the EDC is ideal for industrial, marine, security or traffic control applications. The unit includes brackets required for mounting to a wall or pole. Accessories for the EDC include various fittings, a rack-mount kit and a grounding kit.

FEATURES

- Composite construction offers outstanding chemical and temperature resistance and exhibits excellent weatherability
- Constructed of a low smoke zero halogen material
- Unit is easy to punch, drill, file or saw, making the installation of cable entry holes simpler
- Cover can be secured with corrosion-resistant, captive screws or quick-release latches that will also accept a user-supplied padlock if additional security is required
- Accepts the LANscape Solutions CCH panels (available in 6-, 8-, 12-, 16- or 24-fiber increments) for most popular adapter types including SC duplex, LC duplex and MT-RJ
- Brackets for wall- or pole-mounting are included
- Will accept splice trays that accommodate a variety of splicing techniques including fusion and mechanical splices for splicing or fan-out applications
- Suitable for loose-tube, tight-buffered and ribbon cable
- NEMA 4X rated
- As with all Corning Cable Systems housings, all of the accessories required to properly install the housing are included

APPLICATIONS

Outdoor rated
 Backbone cabling terminations in outdoor applications such as industrial, security or traffic control NEMA 4X rating
 Field connectorization or pigtail splicing

ENVIRONMENTAL DISTRIBUTION CENTER

Anixter No.	Vendor No.	Description
206695	EDC-02P-NH	Accepts two CCH panels and two Type 2R or one Type 4R reduced-length splice trays; no cable entry holes provided
206696	EDC-06P-NH	Accepts six CCH panels and six Type 2S or three Type 4S splice trays; no cable entry holes provided
223274	EDC-12P-NH	Accepts 12 CCH panels and 12 Type 2S, six Type 4S or six Type 4A splice trays; no cable entry holes provided

ACCESSORIES

Anixter No.	Vendor No.	Description
267110	HDWR-GRND-KIT	Hardware grounding kit; includes two ground wires, one sheath ground clip and one ground bus