



How to Use the Belden Master Catalog

If You're Not Sure of What You Need...

Select by Cable Type or Application

Use the section index below or look at the more detailed Table of Contents pages found at the beginning of each section to find your cable type or application.

Select by Keyword

Reference the Table of Contents section on the following pages for an alphabetical listing of product keywords.

Consult the Cable Finder Guide

If you know the gage size, shielding type, and/or number of conductors needed for your application, you can locate a part number and corresponding catalog page number for all matching multi-conductor and paired cable products in the Cable Finder Guide (section 2).

If You Know the Belden Part Number..

Consult the Index in the Back of the Catalog

In the Part Number Index (section 24), you'll find a numerical listing of Belden part numbers. This comprehensive index lists every product featured in the Belden Master Catalog.

Section Index

Section Name	Section No.
Table of Contents	1
Cable Finder Guide	2
Hook-Up and Lead Wire	3
Multi-Conductor Cables	4
Paired Cables	5
MIL-C-17 Coaxes	6
Shipboard and Offshore Cables	7
Cable Assembly	8
Broadband Coax Cables	9
Enclosures and Accessories	11
Open Frame Racks and Accessories	12
Surface Raceway Systems	13
PowerSense® PoE Products	14
Commercial Networking – Copper	15
Commercial Networking – Optical Fiber	16
Commercial Networking – Training	17
Industrial Automation and Control Cables	18
Brilliance® Broadcast Cables	19
New Generation® Sound, Security and Alarm Cables	20
Residential Cables	21
Glossary of Terms	22
Technical Information	23
Part Number Index	24

Visit our Website

Our website is a valuable online resource for Belden wire and cable products, services, support, solutions, and purchasing information. Point your browser to www.belden-emea.com to find out more.

Contact One of Our Sales Representatives for Assistance

Call +31-77-3878-555 or email us at venlo.salesinfo@belden.com.

To Place an Order

For many of the products in the catalog, you will find everything you need in this catalog to place an order. Should you need assistance, please contact your Belden sales representative. A complete list of all of our sales offices can be found on the back cover of this catalog or at www.belden-emea.com.

Table of Contents

Alphabetical Index

Products	
10GX® , Belden IBDN® System	15.6 – 15.8
110 Cross-Connect System	15.21 – 15.23
Access Control Cable	20.45
<hr/>	
AES/EBU Digital Audio Cable	19.16 – 19.18
AES-3id Cable	19.27 – 19.34
Alarm & Security Cable	4.13 – 4.14 20.46 – 20.55
Analog Audio Cable	19.11 – 19.15 18.34
Antenna Coax	6.3 – 6.4 9.27 – 9.32
Armored Cable	4.21 15.56 18.9, 18.11 18.13 – 18.15 18.18 18.20 – 18.21 18.31 – 18.35
Armoring Capabilities	18.2, 23.12
Assemblies	
Brilliance® (Broadcast)	8.3 – 8.6
Copper Cable (Networking)	15.7, 15.9 – 15.13
Optical Fiber	16.6 – 16.9
SMPT311	8.6
Audio, Communication & Instrumentation Cables	
Audio Wire & Cable	19.21
Brilliance® Broadcast	
Coaxial	19.23 – 19.34
Multi-Conductor	4.4
New Generation® Commercial Audio	20.10
Paired	5.4 – 5.5 5.10 – 5.11 5.22 – 5.23
Residential	21.10 – 21.11
Augmented Category 6	15.6 – 15.8
Automation	
Factory	(see Industrial Section)
Home	(see Residential Section)
Backbone Cable	
Copper	15.44 – 15.63
Optical Fiber	16.25 – 16.64
Banana Peel®	
Brilliance® Assemblies	8.4
Composite Data, Audio, Video, Security & Control Cables	21.4 – 21.5
DataTwist® 350	15.55
New Generation®	20.44 – 20.45
Video Multicore	19.33 – 19.34, 21.13
Belden IBDN® System 10GX®	
Structured Cabling	15.6 – 15.8

Products (continued)	
Belden Infinity® Cable	18.37 – 18.38
BIX Cross-Connect System	15.16 – 15.20
Blue Hose® Cable	18.13 – 18.14
Bonded Pairs	
Broadcast	19.22
Copper	15.44, 15.46, 15.48 – 15.49 15.55, 15.61 15.64 – 15.65 15.69 – 15.70
Industrial	18.7 – 18.11
Residential	21.9
Breakout-Kit Optical Cable	16.32
Breakout Optical Cable	16.28
Breakout Style Optical Cable	16.62
Brilliance® Audio Cable	19.9 – 19.22 21.9 – 21.11
Brilliance® Cable	(see Broadcast Cable)
Brilliance® VideoFLEX® Cable	19.31 – 19.32
Brilliance® VideoTwist® UTP Cable	21.9
Broadband Cable	
Commercial Networking	9.9 – 9.26 15.69 – 15.71
Broadcast Cable	
75 Ohm Standard Analog Video Coax	19.25
AES/EBU Digital Audio Cable	19.16 – 19.18
Analog Multi-Pair Snake Cable	19.12 – 19.15
Audio/Video & Composite Cable	19.21
Banana Peel® Cable	19.33 – 19.34
Bundled Analog/Digital Coax	19.26 19.31 – 19.34
Connector Cross	19.7
DigiTruck™ Mini Coax	19.27
Line-Level Analog Audio Cable	19.11
Low Loss Serial Digital Coax	19.27 – 19.34
Microphone & Musical Instrument Cable	19.9 – 19.10, 19.21
Precision Video Coax for Analog & Digital	19.27 – 19.34
RGB Component Video Cable	19.26 19.31 – 19.34
Residential	21.12 – 21.13
RJ-45 Cable for A/V Applications	19.22
S-Video Cable	21.12
Shipboard Audio/Video Cable	7.3 – 7.4
Snake Cable analog	19.12 – 19.15
Snake Cable digital	19.17 – 19.18
Speaker Wire and Cable	19.19 – 19.20
Special Audio, Communication & Instrumentation Cable	19.21
Standard Analog Video Coax	19.25
Tactical Mobile Optical Fiber Cable	19.8

Products (continued)	
Broadcast Cable (continued)	
Technical Information	19.3 – 19.6
Video Triax Cable	19.23 – 19.24
Burglar Alarm Cable	20.11 – 20.33
Burial Cable	(see Direct Burial Cable)
Cabinets, Enclosures & Accessories	11.1 – 11.29
Cable Management Products	
Cable Ties	12.8 – 12.10
Modular Enclosures & Accessories	11.3 – 11.27
Open Frame Racks & Accessories	12.3 – 12.7
Surface Raceway Systems	13.3 – 13.4
Wall Mount Enclosures & Accessories	11.28 – 11.29
Cable Raceways	13.2 – 13.4
Cable Ties	12.8 – 12.10
California Proposition 65 Regulations	23.21
Camera Cable	19.8
CANopen Cable	18.28
Category 3 Cables	15.58 – 15.59
Category 5 Cables	15.56 – 15.57
Category 5e Cables	15.49 – 15.55
Category 5e Connectivity	15.11
Category 5e Patch Cables	15.62 – 15.63 15.65 – 15.66
Category 6 Cables	15.44 – 15.48, 15.51
Category 6 Connectivity	15.7 15.9 – 15.10
Category 6 Patch Cables	15.61, 15.64
Category 7 Cables	15.60
CatSnake™ Cat 5e Audio/Video Cable	19.22
CCTV Cable	19.25 20.34 – 20.38 20.39 – 20.45
Central Loose Tube Optical Cable	16.33 – 16.40 16.64
Class A, Broadband (CATV) Cable	9.8
Class D, Category 5e	15.62 – 15.63
Class E, Category 6	15.61
Class F, Category 7	15.60
Closed Circuit TV (CCTV)	19.25 20.34 – 20.38 20.39 – 20.45
Coaxial Cable	
50 Ohm Transmission Cable	9.27 – 9.32
Analog Video Cable	19.25
Brilliance® Assemblies	8.3 – 8.6
Brilliance® VideoFLEX® Cable	19.31 – 19.32
Broadband: CATV	9.9 – 9.26
Broadband: Class A Cable	9.8
Broadband: Coaxial Cable	9.9 – 9.26

Table of Contents

Alphabetical Index

Products (continued)	
Coaxial Cable (continued)	
Broadband: Headend/Video Cable	9.26 19.25, 19.28
Broadband: MATV	9.24, 19.25
Broadcast Coaxial Cable	19.25 – 19.34
Bundled RGB	19.26, 19.31 – 19.34
Burial Coaxial Cable	7.4, 9.18
CATV Coaxial Cable	9.9 – 9.26
Coaxial Cable Finder	2.24 – 2.33
Computer & Instrumentation Cable	15.69, 15.71
Conformable® Coax	9.32
Digital Video Cable	19.27 – 19.34
HDTV Coax	19.27 – 19.34
HDTV/SDI Digital Video	19.27 – 19.34
Headend/Video Cables	9.26 19.25, 19.28
High-Flex Coax	19.28 – 19.29 21.12
High-Flex S-Video (Y/C)	21.12
Industrial	18.18 – 18.19
Industrial Coax	18.12 18.18 – 18.19
Industrial Twinax	18.13 – 18.17
Local Area Network (LAN) Coax	15.69, 15.71 18.12
Low Loss 50 Ohm Wireless	9.27 – 9.29
LSZH and ABS Type Approved	7.4
MIL-C-17G QPL Cable	6.3 – 6.6
Microwave Cable	9.32
Miniature Coaxial Cable	19.31, 19.33
Plenum-Rated Coax	4.4, 4.12 5.5, 5.8, 5.10, 5.22 15.67 – 15.70 15.77 – 15.78 18.14, 18.16 18.31, 18.34
Precision Video Coax for Analog & Digital	19.27 – 19.34
RF Transmission Cable	9.30 – 9.31
RF & Wireless Coax	9.27 – 9.32
RGB Coax	19.26, 19.31 – 19.34
RG-Types	23.15
Security	20.34 – 20.38
Siamese Cable	(see ShotGun)
Snake Cable	19.12 – 19.15 19.17 – 19.18
Standard Analog Video Coax	19.25
SVHS	21.12
S-Video	21.12
Technical Information	9.3

Products (continued)	
Coaxial Cable (continued)	
Thicknet	15.69, 18.12
Transmission Cable	9.27 – 9.32
Triax Cable	19.23 – 19.24
Twinax Cable	18.13 – 18.17 19.16
Video Triax Cable	19.23 – 19.24
Wireless RF Transmission Cable	9.27 – 9.32
Color Code Charts	23.17 – 23.19
Commercial Networking – Copper	15.2 – 15.72
Cables	15.44 – 15.72
Armored U/UTP Cable	15.56
Certified System Cables	15.44 – 15.50
DataTwist® Cable	15.44, 15.49 15.51 – 15.53, 15.55 15.57 – 15.58
D-Series Cable	15.59
F/UTP Shielded Twisted Pair Cable	15.61 – 15.62 15.66
GigaFlex® Cable	15.9 – 15.11
MediaTwist® Cable	15.48, 15.64
S/FTP Shielded Twisted Pair Cable	15.60
SF/UTP Shielded Twisted Pair Cable	15.63
U/UTP Unshielded Twisted Pair Cable	15.44 – 15.59 15.64 – 15.66
VideoTwist® Cable	15.67 – 15.68
Connectivity	15.6 – 15.42
110 Cross-Connect System	15.21 – 15.23
Belden IBDN® System 10GX®	15.6 – 15.8
BIX Cross-Connect System	15.16 – 15.20
GigaBIX® Multi System	15.12 – 15.15
Introduction	15.2 – 15.5
Labels	15.24
Line Protection and Bonding & Grounding	15.43
Modular Cords	15.38 – 15.41
Network Connectivity Products	15.42
Patch Panels	15.25 – 15.26
Workstation Outlets	15.27 – 15.37
Commercial Networking – Optical Fiber	16.2 – 16.64
Cables	16.25 – 16.58
Breakout Kit	16.32
Breakout Cables	16.28
Breakout Style Cable	16.62
Cable Selection Guide	16.22
Cable Selection Guide Plenum	16.24
Cable Quality Selection Guide	16.21
Central Loose Tube Cable	16.33 – 16.40 16.64

Products (continued)	
Commercial Networking – Optical Fiber (continued)	
Color Code Charts	16.23
CST, Armored	16.36, 16.39, 16.45 – 16.46 16.55 – 16.56
Distribution Cable	16.29 – 16.32 16.60 – 16.61
FRP, Armored	16.35
Industrial Armored	18.36
Interconnect – Simplex & Duplex	16.25 – 16.27 16.59
Mini Breakout Optical Cable (Distribution)	16.29 – 16.32
Multi Loose Tube Cable	16.41 – 16.58
Plenum Cable	16.59 – 16.64
SWA, Armored	16.40, 16.47 – 16.48 16.57 – 16.58
Tactical Cable	19.8
Connectivity	16.4 – 16.17
FiberExpress Connectors	16.4 – 16.5
FiberExpress Manager	16.11
FiberExpress Outlets	16.15 – 16.16
FiberExpress Patch Panel Accessories	16.14
FiberExpress Patch Panels	16.12 – 16.13
FiberExpress Secure/Keyed LC System	16.9 – 16.10
Introduction	16.2 – 16.3
Network Connectivity Products	16.17
Pre-Connectorized Assemblies	16.6 – 16.8
Commercial Networking – Training	17.2 – 17.6
Copper Products	17.5
Design and Concept	17.4
End-to-End Installation/Testing – Copper	17.6
End-to-End Installation/Testing – Optical Fiber	17.6
Intro to Belden	17.3
Installation	17.4
Optical Fiber Products	17.5
Overview	17.2
Project Management	17.3
Composite Cable	15.72 18.22, 18.26 – 18.27, 18.29 19.19 20.39 – 20.45 21.4 – 21.6
Computer Cable	
EIA RS-232	4.2, 4.6 – 4.7 4.9 – 4.11 5.13 – 5.18 5.25 – 5.26
EIA RS-422	5.9, 5.13, 5.17 5.20, 5.25
EIA RS-423	4.11

Table of Contents

Alphabetical Index

Products (continued)		Products (continued)		Products (continued)	
Computer Cable (continued)		Data Cable (continued)		Enclosures & Accessories (continued)	
EIA RS-485	5.14	Industrial	18.7 – 18.11	Power Strips & Power Accessories	11.25 – 11.26
Ethernet/IP™ Compliant	18.7 – 18.9	Residential	21.4 – 21.6, 21.9	Swing Racks	11.29
IBM Cabling System	15.71 – 15.72	Datalene® Cable	4.11	Wall Mount Enclosures & Accessories	11.28 – 11.29
IEEE 802.3 Trunk and Transceiver Cables	15.70		5.9, 5.14, 5.17	Enhanced Category 5e Cables	15.49 – 15.50
IEEE 802.4 (MAP)	15.71		5.20, 5.25	Enhanced Category 6 Cables	15.44
IEEE 802.5	15.71		15.70, 15.72		15.47 – 15.48
Industrial Data	18.7 – 18.36		18.16, 18.29, 18.33	Environmental Regulations and Compliance	23.21
Industrial Ethernet	18.7 – 18.11		19.16 – 19.17	Ethernet Hubs	15.42
Local Area Network (LAN)	15.44 – 15.72	DataTray® Cable	18.17	European Union Restrictions	23.21
Low-Capacitance	4.11	DataTuff® Cable	18.7 – 18.11	Faceplates	15.31, 15.33
	5.9, 5.13 – 5.18	DataTwist® Cable	15.44, 15.49	Copper System	15.6 – 15.23
	5.20, 5.25		15.51 – 15.53	Optical Fiber Guide to installation	16.20
	19.11		15.55, 15.57 – 15.58	FEP Cable	
Multi-Conductor	4.2	DeviceBus® Cable	18.22 – 18.27	Industrial	18.12, 18.14, 18.16
	4.6 – 4.7	DeviceNet™ Cable	18.22 – 18.24		18.31, 18.34
	4.9 – 4.11	Digital Audio Cable	5.25	Multi-Conductor	4.4, 4.12
Optical Fiber	16.25 – 16.58		19.16 – 19.18	Networking	15.44 – 15.45, 15.47 – 15.48
Paired	5.3, 5.7 – 5.9	Digital Video Cable	19.27 – 19.34		15.50, 15.53, 15.55, 15.69
	5.13 – 5.18		21.12	Paired	5.8, 5.10, 5.22
	5.20, 5.25	Digital Video Time Code	19.16	Fiber Optic Cable	
Residential	21.4 – 21.6	DigiTruck® Mini Coax	19.27, 21.12	Breakout Kit	16.32
Thicknet	15.71, 18.12	Direct Burial Cable	4.8	Breakout Cable	16.28
Thinnet	15.69		9.9 – 9.11	Breakout Style Cable	16.62
Transceiver	15.70		15.69, 18.12	Cable Quality Selection Guide	16.21
Trunk	15.69, 18.12		19.23 – 19.24	Cable Selection Guide	16.22
Conductors	23.2 – 23.5	Distribution Optical Cable	16.29 – 16.32	Cable Selection Guide Plenum	16.24
Conformable® Coaxial Cable	9.32		16.60 – 16.61	Central Loose Tube Cable	16.33 – 16.40
Connectivity – Copper	15.2 – 15.72	Distribution Broadband Cable	9.12 – 9.15		16.64
Connectivity – Optical Fiber	16.4 – 16.17	DMX512	18.28, 18.32, 19.21	Color Code Charts	16.23
Connectors		Drop Broadband Cable	9.16 – 9.25	CST, Armored	16.36, 16.39
Copper	15.6, 15.9 – 15.11	DT-12 Audio Snake Cable	19.14		16.45 – 16.46
Optical Fiber	16.4 – 16.5	Duplex Optical Cable	16.26 – 16.27	Distribution Cable	16.29 – 16.32
Control Cable		Duplex Primary Wire	4.5		16.60 – 16.61
High-Temperature	4.15 – 4.34	EIA RS-232	4.2, 4.6 – 4.7	FRP, Armored	16.35
Industrial – Belden Infinity®	18.37 – 18.38		4.9 – 4.11	Industrial Armored	18.36
Multi-Conductor (also see Industrial section)	4.4 – 4.12		5.13 – 5.18	Interconnect – Simplex & Duplex	16.25 – 16.27
	5.10 – 5.11	EIA RS-422	5.25 – 5.26		16.59
	5.22 – 5.23		5.9, 5.13, 5.17	Mini Breakout Optical Cable (Distribution)	16.29 – 16.32
Residential	21.7 – 21.8		5.20, 5.25	Multi Loose Tube Cable	16.41 – 16.58
ControlBus™ Cable	18.19	EIA RS-423	4.11	Plenum Cable	16.59 – 16.64
ControlNet™ Cable	18.18	EIA RS-485	5.14	SWA, Armored	16.40, 16.47 – 16.48
Cross-Connect Systems	15.16 – 15.23	EIB/KNX Cables	21.8		16.57 – 16.58
D-Series Cable	15.59	Enclosures & Accessories	11.2 – 11.29	Tactical Cable	19.8
DataBus® Cable	18.20 – 18.21	Cable Management Accessories	11.24	FiberExpress Connectivity & Systems	16.4 – 16.17
Data Cable		Climate Monitor	11.27	Field Installable Fiber Connectors	16.4 – 16.5
Broadcast	19.22	Cooling Devices & Fans	11.5, 11.8, 11.11		
Commercial Networking – Copper	15.44 – 15.72		11.14, 11.17, 11.27		
Commercial Networking – Optical Fiber	16.25 – 16.58	Fan Controllers	11.27		
		Introduction	11.2		
		Modular Enclosures	11.3 – 11.19		
		Modular Enclosure Options & Accessories	11.20 – 11.27		

Table of Contents

Alphabetical Index

Products (continued)	
Fire Alarm Cable	20.46 – 20.55
Flexible Automation Cable	18.37 – 18.38
FlexSnake® Snake Cable	19.13
F/UTP Shielded Twisted Pair Cable	15.61 – 15.62 15.66
GigaBIX Multi System	15.12 – 15.15
GigaFlex Cable	15.9 – 15.11
Glossary of Terms	22.2 – 22.13
Halogen-Free Cable	
Broadband	9.9, 9.12 9.14 – 9.16 9.19 – 9.26
Broadcast	19.14, 19.17 – 19.18
Hook-Up Wire	3.16 – 3.20
Industrial	18.7, 18.13 18.15 – 18.16 18.20 – 18.21 18.30 – 18.35
Multi-Conductor	4.17 – 4.28
Networking	15.45 – 15.47, 15.49 – 15.54 15.59, 15.61 – 15.63, 15.66
New Generation®	20.12 – 20.13 20.15 – 20.17, 20.19 20.21 – 20.22 20.24, 20.26 – 20.27 20.29 – 20.39 20.47 – 20.51, 20.56
Optical Fiber	16.25 – 16.31, 16.37 – 16.40 16.51 – 16.58
Residential	21.7 – 21.8
Shipboard & Offshore	7.3 – 7.7
Halogen-Free Standards	23.20
Hart Cable	18.28
Heavy Metal Free Compliance	23.21
High Definition (HD) Coaxes	19.27 – 19.34
High-Temperature Cable	3.21 – 3.22 4.31 – 4.34
Home Automation (see Residential Cable)	
Hook-Up Wire	
EFGLAS	3.23
ETFE	3.10 – 3.11
FEP	3.6 – 3.9
Glass Braid	3.21
Kapton®	3.21
Mica	3.22
PFA	3.12
PTFE	3.5
PTFE/Kapton®/PTFE	3.4
Silicone Rubber FRNC	3.16 – 3.20
Technical Information	3.3
Trakrad100	3.13
Zyrad®	3.14 – 3.15

Products (continued)	
Horizontal Cable – Copper	15.44 – 15.63
Hubs, Ethernet	
	15.42 16.17
Hubs, Midspan – Power over Ethernet	14.2 – 14.6
IBM Cable	15.71 – 15.72
IDC Systems	15.6 – 15.23
Industrial Armored Optical Cable	18.36
Industrial Automation & Control Cables	
Armored Cable	18.7 – 18.36 18.9, 18.11 18.13 – 18.15 18.20 – 18.21 18.32 – 18.35
Belden Infinity® Flexible Automation Cable	18.37 – 18.38
Blue Hose® Cable	18.13 – 18.14
Burial Cable	18.7 – 18.11
CANopen Cable	18.28
Coaxial	18.18 – 18.19
ControlBus™ Coax	18.19
Control Cable	18.30 – 18.31
ControlNet™ Coax	18.18
Cross Reference Guide	18.3 – 18.4
DataBus® FieldBus or Profibus	18.20 – 18.21
Data Cables	18.7 – 18.12
Datalene®	18.16, 18.28, 18.33
DataTray® 600V Twinaxial Cable	18.17
DataTuff® Cable	18.7 – 18.11
DeviceBus®	18.22 – 18.27
DeviceNet™, ODVA	18.22 – 18.24
EIA Industrial RS-485	18.28
Ethernet/IP™ Compliant	18.7 – 18.9
FEP	18.8, 18.10 18.12, 18.14 18.16, 18.19 18.22, 18.34
Fiber Optic Cable	18.36
Flat Cable	18.28
Foundation FieldBus	18.20 – 18.21
Hart Cable	18.28
High-Flex Cable	18.13 18.22 – 18.24 18.37 – 18.38
Honeywell Smart Distributed System Cables	18.25
Industrial Coax	18.12, 18.18 – 18.19
Industrial Communications Protocol	18.5
Industrial Data Solutions®	18.7 – 18.36
Industrial Ethernet	18.7 – 18.11
Industrial Twinax	18.13 – 18.17
Infinity, Belden – Flex Data Cable	18.37 – 18.38

Products (continued)	
Industrial Automation & Control Cables (continued)	
Infinity, Belden Flexible Automation Cable	18.37 – 18.38
Instrumentation 300V, PLTC	18.28
Interconnect Cable	18.35
Low-Smoke, Zero-Halogen (LSZH) Cable	18.7, 18.13 18.15 – 18.16, 18.18 18.20 – 18.21, 18.30 – 18.35
MAP and Mini-MAP Cable	18.15 – 18.16
ODVA DeviceNet™ Cables	18.22 – 18.24
Optical Fiber Cable	18.36
Phoenix Contact Interbus®-S Cables	18.27
PLC/DCS Cables	18.7 – 18.35
PLC/DCS Cable Cross Reference Guide	18.3 – 18.4
Plenum	18.8, 18.10 18.12, 18.14 18.16, 18.18 – 18.19 18.33 – 18.35
PLTC Cables	18.10, 18.14, 18.17 18.20 – 18.24 18.28 – 18.29
Profibus Cables	18.20 – 18.21
Square D/Seriplex® Cables	18.26
Tactical Optical Fiber	18.36
TC Cable	(see Tray Cable)
Teflon®	18.12, 18.14, 18.16
Tray (TC) Cable	18.17
Twinaxial	18.15 – 18.16
Infinity®, Belden – Flexible Automation Cable	18.37 – 18.38
Instrumentation Cable	
Coaxial	6.3 – 6.6
Flat Cable	18.28
High-Temperature	3.3 – 3.22
Multi-Conductor	4.4 – 4.38
Interconnect Optical Cable	16.25 – 16.27, 16.59
Jacks	15.25 – 15.37
Keypad Cable (Residential)	21.6
KNX	(see EIB)
Land Mobile Radio Coax	9.27 – 9.29
Lead Wire	(see Hook-Up Wire)
Line-Level Audio Cable	19.11
LonWorks	21.7 – 21.8
Low-Capacitance Cable	(see Computer, Low-Capacitance Cable)
Low-Smoke, Zero-Halogen Cables	3.16 – 3.20 4.17 – 4.28 7.3 – 7.7 9.9, 9.12, 9.14 – 9.16 9.19 – 9.26 15.45 – 15.54 15.61 – 15.63, 15.66

Table of Contents

Alphabetical Index

Products (continued)	
Low-Smoke, Zero-Halogen Cables	16.25 – 16.31
<i>(continued)</i>	16.37 – 16.40
	16.51 – 16.58
	18.7, 18.13
	18.15 – 18.16
	18.20 – 18.21
	18.30 – 18.35
	19.14, 19.17 – 19.18
	20.12 – 20.13
	20.15 – 20.17, 20.19
	20.21 – 20.22
	20.24, 20.26 – 20.27
	20.29 – 20.39
	20.47 – 20.51, 20.56
	21.7 – 21.8
MAP & Mini-MAP Cables (IEEE 802.4 & 802.7)	15.71
MATV Cable	19.25
Media Converters	15.42
MediaTwist® Cable	15.48, 15.64 21.9
Messenger Cable	9.9 – 9.11, 9.13, 9.17 16.49 – 16.50
Metric Conversions	23.15 – 23.16
Microphone & Musical Instrument Cable	19.9 – 19.10
Microwave Cable	9.32
Midspan Hubs for Power over Ethernet	14.2 – 14.6
Military Specifications	
MIL-C-17	6.3 – 6.6
Mini Breakout Optical Cable	16.29 – 16.32
Mini-MAP Cables	18.19
Modular Cords	15.38 – 15.41
Modular Enclosures & Accessories	11.2 – 11.29
Modules	15.6, 15.9 – 15.11
Multi-Conductor Cable	4.4 – 4.38
FEP	4.29
FEP-Overall Braid	4.30
Fire Alarm Cable	4.13 – 4.14
Glass Fiber-Glass Braid	4.31 – 4.32
High-Temperature Control	4.29 – 4.34
Mica-Ceramic Braid	4.33
Micaflame® Glass Braid	4.34
Overall Beldfoil® Shield	4.6 – 4.8
Overall Foil/Braid Shield	4.9 – 4.12
PVC	4.35 – 4.38
RS-232 and RS-423	4.11
Silicone Rubber	4.17 – 4.28
TPE	4.15 – 4.16
Unshielded	4.4 – 4.5
Multi Loose Tube Optical Cable	16.41 – 16.58
Multi-Pair Cable	(see Snake Cables)

Products (continued)	
Musical Instrument Cable	19.21
NanoSkew® UTP Cables	21.9
New Generation® Cable	20.2 – 20.56
Access Control Banana Peel® Cable	20.45
Cable Finder Guide	20.3 – 20.9
CATV Cable	20.34 – 20.38
CCTV Surveillance Cable	20.34 – 20.45
Composite Cable	20.39 – 20.45
Fire Alarm Cable	20.46 – 20.55
MATV Cable	20.38
Pan/Tilt/Zoom (PTZ) Banana Peel®	20.44
Pan/Tilt/Zoom (PTZ) Camera Cable	20.39
Security and Alarm Cable	20.11 – 20.33
Security and Surveillance CCTV Cable	20.34 – 20.45
Security Coaxial Cable	20.34 – 20.38
UTP CCTV Surveillance Cable	20.41 – 20.42
Networking Cable	(see Commercial Networking: Copper and Commercial Networking: Optical Fiber)
Network Connectivity Products	15.42
Network Tester	15.42
ODVA DeviceNet™ Cable	18.22 – 18.24
Open Frame Racks & Accessories	12.2 – 12.10
Cable Ties	12.8 – 12.10
Introduction	12.2
Optimax® Connectors	16.4
Outlets, Optical Fiber	16.15 – 16.16
Packaging, Cable	23.22
Paired Cables	5.4 – 5.26
Individually Shielded	5.19 – 5.23
Individually Shielded Pairs with Overall Foil/Braid Shield	5.24 – 5.25
Overall Beldfoil® Shield	5.6 – 5.11
Overall Braid Shield	5.26
Overall Foil/Braid Shield	5.12 – 5.18
Selection Guide	5.3
Unshielded	5.4 – 5.5
Patch Cords	
Copper	15.7, 15.9 – 15.11
Optical Fiber	16.6 – 16.8
Patch Panels	
Copper	15.25 – 15.26
Optical Fiber	16.12 – 16.14
PLC/DCS Cable	18.7 – 18.35
PLC/DCS Cross Reference Guide	18.3 – 18.4
Plenum Cable	
Industrial	18.8, 18.10 18.12, 18.14 18.16, 18.18 – 18.19 18.31
	18.33 – 18.35

Products (continued)	
Plenum Cable (continued)	
Local Area Network (LAN)	15.44 – 15.70
Multi-Conductor	4.4, 4.12
Optical Fiber	16.58 – 16.64
Paired	5.5, 5.8, 5.10, 5.22
PoE Products	14.3 – 14.6
Power-Limited Tray Cable, PLTC	18.10
	18.14, 18.17 18.20 – 18.24 18.28 – 18.29
Power over Ethernet (PoE) Products	14.2 – 14.6
PowerSense® PoE Products	14.2 – 14.6
Accessories	14.6
Introduction	14.2
Midspan Hubs	14.3 – 14.5
Power Strips & Power Accessories	11.25 – 11.26
Preterminated Fiber Assemblies	16.6 – 16.8
Process Control Cable	18.7 – 18.38
Professional Music Cable	19.9 – 19.10, 19.21
Profibus Cable	18.20 – 18.21
PTZ (Pan/Tilt/Zoom) Camera Cable	20.39 – 20.45
Quad, Mini-Star	19.10
Raceways	13.2 – 13.4
Racks	12.3 – 12.7
Residential Cable	21.2 – 21.14
Alarm, Security and Speaker Cable	21.4 – 21.6
Banana Peel® Cable	21.4 – 21.5
Coaxial Cable	21.12
Composite Cable	21.4 – 21.7
Compression Tool	21.14
Connectors	21.14
Data & Voice Cable	21.6
EIB/KNX Cables	21.8
Fiber Optic Cable	21.4
HDTV Cable	21.12 – 21.13
Keypad Cable	21.7
LonWorks	21.7
Security & Alarm Cable	21.2 – 21.3
Speaker Cable OFHC	21.10 – 21.11
Stripping Tool	21.14
Tools and Accessories	21.14
Video Cable	21.12 – 21.13
Restriction on Hazardous Substances (RoHS) Regulations	23.21
RF Coaxial	9.27 – 9.29
RGB Coaxial	19.26, 19.31 – 19.34 21.13
RJ-45 Cable for A/V Applications	19.22
Robotic Cable	18.37 – 18.38
RoHS Regulations	23.21

Table of Contents

Alphabetical Index

Products (continued)	
Satellite, Direct Broadcast Cable	9.16 – 9.25
Secure Fiber Connectivity	16.9 – 16.10
Security & Alarm Cable	20.11 – 20.33 21.4
Serial Digital (SDI) Coaxes	19.27 – 19.34
S/FTP Shielded Twisted Pair Cable	15.60
SF/UTP Shielded Twisted Pair Cable	15.63
Shielding, Technical Information	23.14 – 23.15
Shipboard Audio/Video Cables	7.3
ShotGun	9.21 – 9.22, 9.25
Simplex Optical Cable	16.25
SMPTTE 311 HD Camera Cable	19.8
Snake Cable	19.12 – 19.15 19.17 – 19.18
Sound Cables, Commercial	21.10 – 21.11
Speaker Cable	
Brilliance® Broadcast	19.19 – 19.20
Residential	21.10 – 21.11
Special Application Audio	19.21
Star Quad Cables	19.10, 19.12
Stereo Connecting Cable	19.11, 19.16, 21.10
Structured Cable	21.4 – 21.6
(also see Commercial Networking – Copper & Optical Fiber)	
Structured Cabling Systems	
Copper	15.2 – 15.72
Optical Fiber	16.2 – 16.64
Training	17.2 – 17.6
Surface Raceway Systems	13.2 – 13.3
Surveillance Cable	20.34 – 20.36
SVHS (S-Video) Cable	21.12
Tactical Mobile Optical Fiber Cable	18.36, 19.8

Products (continued)	
Teflon® Cable	15.44 – 15.70 18.12, 18.14, 18.16
Tefzel® Cable	18.31
Terms of Use of Master Catalog	23.22
Test Unit, Ethernet Network	15.42
Thicknet	15.69, 18.12
Thinnet	15.69, 18.12
Tools – Cable Prep, Connecting, Terminating	15.37 16.4 21.14
Transceiver Cable	15.70
Transceivers	15.42
Tray Cable (TC)	
PLTC	18.10, 18.14, 18.17 18.20 – 18.24 18.28 – 18.29
Triax Cable	19.23 – 19.24
Trunk Broadband Cable	9.9 – 9.11
TV Camera Cable	19.8
Twinaxial Cable	18.13 – 18.17
U/UTP Unshielded Twisted Pair Cable	15.44 – 15.59 15.64 – 15.66
Video Cable	19.25 – 19.34 21.12 – 21.13
Video Snake Cable	19.26, 19.33 – 19.34, 21.13
VideoTwist® UTP Cable	15.67 – 15.68 21.9
Wall Mount Enclosures & Accessories	11.28 – 11.29
Wireless 50 Ohm Coax	9.27 – 9.32
Workstation Outlets	15.27 – 15.37
Zip Cord	21.10

ControlNet™ is a ControlNet International trademark.
 DeviceNet™ is an Open DeviceNet Vendor Association Inc. trademark.
 Interbus® is a Phoenix Contact trademark.
 Seriplex® is a Square D/Schneider AEG registered trademark.
 Kapton®, Tefzel® and Teflon® are DuPont trademarks.

Table of Contents

Alphabetical Index

Tech Info, Charts & Graphs	
AES/EBU Digital Audio Cable	
Max. Recommended Transmission Distances	19.3
Armoring 18.2, 23.13	
Attenuation	
Paired Cable, Individually Shielded	5.19, 5.21
Paired Cable, Individually Shielded & Overall Foil/Braid Shield	5.24
Paired Cable, Overall Beldfoil® Shield	5.6
Paired Cable, Overall Foil/Braid Shield	5.12
Belden IBDN® Networking Products	
Copper Systems Selection Guide	15.4 – 15.5
System 10GX®	15.2 – 15.8
Tools	15.37
Bit Rate	
Paired Cable, Individually Shielded	5.19, 5.21
Paired Cable, Individually Shielded & Overall Foil/Braid Shield	5.24
Paired Cable, Overall Beldfoil® Shield	5.6
Paired Cable, Overall Foil/Braid Shield	5.12
Cable Finder Reference Guide	2.2 – 2.33
Cable Ties Selection Guide	12.2
Class A Cables	9.3, 9.8
Color Code Charts	23.17 – 23.19
(also refer to respective cable section)	
Conductors	23.2 – 23.5
Connector, Audio/Video – Specifications (Residential)	21.14
Connector Cross Broadband Cables	9.6 – 9.8
Connector Cross Broadcast Cables	19.7
Crush Resistance	19.6
Current Ratings	23.4
DataTuff® Industrial Ethernet Cable Selection Guide	18.6
Enclosures (Freestanding) Selection Guide	11.2
Environmental Regulations & Compliance (RoHS)	23.21
Fiber Optics	(see Optical Fiber)
Glossary of Terms	22.2 – 22.13
Halogen-Free, Low-Smoke	23.20

Tech Info, Charts & Graphs	
Hook-Up and Lead Wire	
Temperature Ranges	3.2
Index	24.2 – 24.16
Industrial Ethernet Cable Selection Guide	18.6
Insulations	23.6 – 23.11
Jackets	23.6 – 23.11
Metric Conversions	23.15 – 23.16
New Generation® Cable Finder Guide	20.3 – 20.9
Optical Fiber	
Cable Finder Reference Guide	16.22
Color Code Charts	16.23
Fiber Channel Topology	16.3
FiberExpress Systems	16.2
Fiber Selection Guide Plenum	16.24
Optical Specifications	16.21
Phase Stability (Coax)	9.4
PLC/DCS Cable Cross Reference Guide	18.3 – 18.4
Power over Ethernet, Information	14.2
Power Rating, Coaxial	9.4
Rise Time	
Paired Cable, Individually Shielded	5.19, 5.21
Paired Cable, Individually Shielded & Overall Foil/Braid Shield	5.24
Paired Cable, Overall Beldfoil® Shield	5.6
Paired Cable, Overall Foil/Braid Shield	5.12
Racks (Open Frame) Selection Guide	12.2
Serial Digital Data Rates – Maximum Transmission Distances	19.6
Serial Digital Video (SDI) Specifications	19.5
Shielded Multi-Conductor Computer Cable for RS-232 Applications	4.2
Shielded Multi-Pair Computer Cable for RS-232, RS-422, & RS-485 Applications	5.3
Shielding & Armoring	18.2, 23.13
Skew – Video Transmission Distance	21.3
Speaker Cable Selection Guide	19.4
VSWR Limits	9.4
Wireless 50 Ohm Coax	9.5