



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CATALOG, VOL. 13



Wire & Cable for Every Application Corporate Headquarters

Sound / Security

Fire Alarm / Life Safety

Special Application

Temperature Controls

Coaxial

Datacom

Hardware

Wire Management

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CONNECT-AIR.COM

CONNECT-AIR, WIRE & CABLE FROM GCG



Connect-Air Cable & Technology Solutions was established in 1978 as a manufacturer of cable assemblies and a distributor of low voltage wire and cable.

Inventoried cables are designed to support Security, Fire/Life Safety, Temperature Controls, Building Automation, and Datacom applications. Connect-Air supports customers and OEMs from nationwide warehouse & sales locations. Connect-Air ships cables to all 50 states and 23 countries around the world. It maintains extensive inventories of low voltage wire and cable in all locations.

Leading the way for new product development...

In the early 1990's, Connect-Air established itself as a leader in the OEM, HVAC/Control industry by working with engineers from Trane, Echelon, Alerton, Johnson Controls, Phoenix Controls, Reliable Controls, TCS Basys and Trend Controls to design, develop, and promote cables specifically for their BAS Systems.

Throughout the years our product lines expanded to include fire alarm cables. We now offer mid-capacitance cables for today's sophisticated data based systems and 2-hour rated circuit integrity cables designed to protect life and limb in a catastrophic situation. As security has become an increased presence in our lives, the market for security cables has also changed. Door access controls, card readers and video security are now commonplace and Connect-Air has cables for every application.

With stocking locations nationwide and a variety of manufacturing options, Connect-Air continues to be a leading supplier of standard and custom cables for HVAC/control, fire alarm/life safety, access control and industrial applications. Our knowledgeable and experienced sales staff can assist you with your specific needs:

- Custom constructions
- Custom conductor
- Jacket colors
- Custom jacket print

Connect-Air receives hundreds of inquiries each year from new integrators, contractors and OEMs. Whether your requirement is 1,000 feet or 100,000 feet we can find a cable that will work for you.

Our cables are made in the USA and RoHS compliant. We take pride in our association with companies and projects that are LEED certified.

From The Staff

Connect-Air believes that service, integrity and quality products combine to create a relationship that is invaluable in a competitive marketplace. We provide a personal touch, product knowledge and a commitment to understanding our customers' needs, whether it is stocking customer specific products, supplying custom cables, or offering special handling. Call us!

CONNECT-AIR.COM

Connect-Air is part of the Genuine Cable Group.



Please contact your inside sales representative for specials and items not in this catalog. Ask about custom colors and packaging options.

Custom Cut Length

Striping

Tracing

Kitting

Metal Clad

Consignment (VMI)

The information contained in this catalog is derived from many sources including numerous third-party manufacturers and suppliers over which Connect-Air has no control. No effort has been made to continually verify independently the original or continued accuracy of such information. Connect-Air does not warrant, or in any manner assume responsibility for, the accuracy of the product pictures, descriptions, dimensions, characteristics, capabilities, uses or similar information contained here in. Also, all such information is subject to change from time to time and the Company assumed no responsibility for revising the catalog to reflect such changes. Accordingly, the availability and suitability for specific products for their intended purpose should be confirmed at the time of order and the conformity of all products to order specifications should be verified at the time of delivery.

All information in this catalog is presented solely as a guide to product selection and is believed to be reliable. All printing errors are subject to correction in subsequent releases of this catalog. Although Connect-Air has taken precautions to ensure the accuracy of the product specifications at the time of publication, the specifications of all products contained here in are subject to change without notice. Portions of this catalog provided by and reprinted with the permission of General Cable Corp.

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Multi-Conductor, Unshielded, Riser

NEC Type CMR and/or CL3R



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-1052	2	22	7/30	0.008	0.20	0.015	0.38	0.122	9
W226C-1024	6	22	7/30	0.008	0.20	0.015	0.38	0.164	22
W228C-1906	8	22	7/30	0.008	0.20	0.015	0.38	0.180	26
W2210C-1149	10	22	7/30	0.008	0.20	0.015	0.38	0.212	36
W2212C-1286	12	22	7/30	0.008	0.20	0.015	0.38	0.219	42
18 AWG Conductors									
W181P-1002	2	18	7/26	0.009	0.23	0.015	0.38	0.156	17
W183C-1045	3	18	7/26	0.009	0.23	0.015	0.38	0.166	23
W184C-1037	4	18	7/26	0.009	0.23	0.015	0.38	0.187	30
W186C-1049	6	18	7/26	0.009	0.23	0.015	0.38	0.225	37
W188C-1041	8	18	7/26	0.009	0.23	0.015	0.38	0.245	44
W1812C-1236	12	18	7/26	0.009	0.23	0.015	0.38	0.291	76
16 AWG Conductors									
W161P-1031	2	16	19/.0117	0.009	0.25	0.015	0.38	0.178	25
W164C-1123	4	16	19/.0117	0.009	0.25	0.015	0.38	0.209	45
14 AWG Conductors									
W141P-1081*	2	14	19/.0147	0.013	0.33	0.015	0.38	0.224	38
W144C-1109*	4	14	19/.0147	0.013	0.33	0.015	0.38	0.264	100
12 AWG Conductors									
W121P-1058*	2	12	19/.0185	0.013	0.33	0.015	0.38	0.260	56

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded S-R PVC

JACKET:

- Premium grade gray PVC
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Includes ripcord

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3R (UL: 75°C, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- Other put-ups available—consult Customer Service



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Multi-Conductor, Shielded, Riser

NEC Type CMR and/or CL3R



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-1001	2	22	7/30	0.008	0.20	0.015	0.38	0.132	11
W223C-1097	3	22	7/30	0.008	0.20	0.015	0.38	0.135	14
W224C-1005	4	22	7/30	0.008	0.20	0.015	0.38	0.147	17
W226C-1042	6	22	7/30	0.008	0.20	0.015	0.38	0.173	23
W228C-1252	8	22	7/30	0.008	0.20	0.015	0.38	0.195	28
W2210C-1451	10	22	7/30	0.008	0.20	0.015	0.38	0.218	34
W2212C-1198	12	22	7/30	0.008	0.20	0.015	0.38	0.225	40
20 AWG Conductors									
W201P-1069	2	20	7/28	0.008	0.20	0.015	0.38	0.142	11
W203C-1019	3	20	7/28	0.008	0.20	0.015	0.38	0.151	18
W204C-1207	4	20	7/28	0.008	0.20	0.015	0.38	0.171	23
18 AWG Conductors									
W181P-1003	2	18	7/26	0.009	0.23	0.015	0.38	0.164	17
W183C-1240	3	18	7/26	0.009	0.23	0.015	0.38	0.172	23
W184C-1051	4	18	7/26	0.009	0.23	0.015	0.38	0.192	30
W186C-1046	6	18	7/26	0.009	0.23	0.015	0.38	0.230	37
W188C-1068	8	18	7/26	0.009	0.23	0.015	0.38	0.287	44
W1812C-1966	12	18	7/26	0.009	0.23	0.015	0.38	0.296	76
16 AWG Conductors									
W161P-1010	2	16	19/0117	0.010	0.25	0.015	0.38	0.189	25
W163C-1469	3	16	19/0117	0.010	0.25	0.015	0.38	0.198	38
W164C-1953	4	16	19/0117	0.010	0.25	0.015	0.38	0.219	49
14 AWG Conductors									
W141P-1219*	2	14	19/0147	0.013	0.33	0.015	0.38	0.245	42
W144C-1971*	4	14	19/0147	0.013	0.33	0.015	0.38	0.269	75
12 AWG Conductors									
W121P-1377*	2	12	19/0185	0.013	0.33	0.015	0.38	0.281	60

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded S-R PVC

SHIELD:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade gray PVC
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Includes ripcord

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3R (UL: 75°C, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- Other put-ups available—consult Customer Service



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Multi-Conductor, Unshielded, Plenum

NEC Type CMP and/or CL3P



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-2005	2	22	7/30	0.008	0.20	0.015	0.38	0.120	9
W223C-2036	3	22	7/30	0.008	0.20	0.015	0.38	0.127	12
W224C-2057	4	22	7/30	0.008	0.20	0.015	0.38	0.139	15
W226C-2083	6	22	7/30	0.008	0.20	0.015	0.38	0.164	21
W228C-2089	8	22	7/30	0.008	0.20	0.015	0.38	0.178	26
W2212C-1286	12	22	7/30	0.008	0.20	0.015	0.38	0.205	38
20 AWG Conductors									
W201P-2053	2	20	7/28	0.008	0.23	0.015	0.38	0.138	12
W203C-2064	3	20	7/28	0.009	0.23	0.015	0.38	0.146	17
W204C-2065	4	20	7/28	0.009	0.23	0.015	0.38	0.161	21
18 AWG Conductors									
W181P-2051	2	18	7/26	0.008	0.20	0.015	0.38	0.156	17
W183C-2052	3	18	7/26	0.008	0.20	0.015	0.38	0.166	25
W184C-2099	4	18	7/26	0.008	0.20	0.015	0.38	0.187	32
W186C-2054	6	18	7/26	0.008	0.23	0.015	0.38	0.216	47
W188C-2046	8	18	7/26	0.008	0.23	0.015	0.38	0.235	61
W1810C-2078	10	18	7/26	0.008	0.23	0.015	0.38	0.270	66
W1812C-2148	12	18	7/26	0.008	0.23	0.015	0.38	0.279	83
16 AWG Conductors									
W161P-2062	2	16	19/0117	0.008	0.20	0.015	0.38	0.174	26
W163C-2008	3	16	19/0117	0.008	0.20	0.015	0.38	0.185	33
W164C-2102	4	16	19/0117	0.008	0.20	0.015	0.38	0.204	45
14 AWG Conductors									
W141P-2013*	2	14	19/0147	0.011	0.20	0.015	0.38	0.216	37
W144C-2093*	4	14	19/0147	0.011	0.20	0.015	0.38	0.255	68
12 AWG Conductors									
W121P-2151*	2	12	19/0185	0.011	0.20	0.015	0.38	0.252	52

*NEC CL3R only



Designed to Meet UL 910
Test For Flame Propagation
& Smoke Density
Underwriters Laboratories Inc.

Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded Plenum Rated PVC

JACKET:

- Premium grade Plenum Rated PVC
- Multiple jacket colors available – consult sales office
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Ripcord available – consult Customer Service for details

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3P (UL: 75°C, 150V)
- NEC Article 800 Type CMP (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Reels
- Other put-ups available—consult Customer Service



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CONNECTIVITY & POWER SOLUTIONS

Multi-Conductor, Shielded, Plenum

NEC Type CMP and/or CL3P



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-2044	2	22	7/30	0.008	0.20	0.015	0.38	0.128	13
W223C-2144	3	22	7/30	0.008	0.20	0.015	0.38	0.131	16
W224C-2020	4	22	7/30	0.008	0.20	0.015	0.38	0.147	19
W226C-2077	6	22	7/30	0.008	0.20	0.015	0.38	0.173	24
W228C-2032	8	22	7/30	0.008	0.20	0.015	0.38	0.184	28
20 AWG Conductors									
W201P-2057	2	20	7/28	0.009	0.20	0.015	0.38	0.143	15
W203C-2173	3	20	7/28	0.009	0.20	0.015	0.38	0.151	19
W204C-2124	4	20	7/28	0.009	0.20	0.015	0.38	0.166	24
18 AWG Conductors									
W181P-2040	2	18	7/26	0.008	0.20	0.015	0.38	0.164	21
W183C-2058	3	18	7/26	0.008	0.20	0.015	0.38	0.169	28
W184C-2059	4	18	7/26	0.008	0.20	0.015	0.38	0.185	36
W186C-2055	6	18	7/26	0.009	0.20	0.015	0.38	0.231	51
W188C-2030	8	18	7/26	0.009	0.20	0.015	0.38	0.252	60
W1810C-2088	10	18	7/26	0.009	0.20	0.015	0.38	0.270	70
W1812C-2145	12	18	7/26	0.009	0.20	0.015	0.38	0.279	85
16 AWG Conductors									
W161P-2084	2	16	19/0117	0.008	0.25	0.015	0.38	0.179	27
W163C-2018	3	16	19/0117	0.008	0.25	0.015	0.38	0.190	37
W164C-2155	4	16	19/0117	0.008	0.25	0.015	0.38	0.209	48
14 AWG Conductors									
W141P-2087*	2	14	19/0147	0.008	0.20	0.015	0.38	0.207	40
W144C-2297*	4	14	19/0147	0.008	0.20	0.015	0.38	0.260	75
12 AWG Conductors									
W121P-2144*	2	12	19/0185	0.008	0.20	0.015	0.38	0.244	55
W124C-2273*	4	12	19/0185	0.008	0.20	0.015	0.38	0.288	120

*NEC CL3R only



Designed to Meet UL 910
Test For Flame Propagation
& Smoke Density
Underwriters Laboratories Inc.

Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded Plenum Rated PVC

SHIELD:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade Plenum Rated PVC
- Multiple jacket colors available – consult sales office
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Ripcord available – consult Customer Service for details

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3P (UL: 75°C, 150V)
- NEC Article 800 Type CMP (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Reels
- Other put-ups available—consult Customer Service



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Multi-Paired, Foil Shielded

NEC Type CMP (UL) c(UL) and/or CL2P



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG, CL2P, c(UL) 150 Volts									
W222P-2147	2	22	7/30	0.007	0.18	0.010	0.25	0.157	18
W223P-2143	3	22	7/30	0.007	0.18	0.010	0.25	0.194	23
W222P-2140RIB	4	22	7/30	0.007	0.18	0.010	0.25		
18 AWG, CL2P/CMP, c(UL) 150 Volts									
W183P-2210	3	18	7/26	0.008	0.020	0.010	0.25	0.240	45

Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black w/ Red	4	Black w/ Blue
2	Black w/ White	5	Black w/ Yellow
3	Black w/ Green	6	Black w/ Brown

Multi-Paired, Individually Foil Shielded

NEC Type CMP (UL) c(UL)



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W222P-2009	2	22	7/30	0.006	0.15	0.010	0.25	0.147	17
18 AWG Conductors									
W182P-2147	2	18	7/26	0.008	0.020	0.010	0.25	0.205	23



Designed to Meet UL 910
Test For Flame Propagation
& Smoke Density
Underwriters Laboratories Inc.

Color Code Chart

Pair #	Color
1	Black Paired w/ Red
2	White Paired w/ Green

Product Construction

CONDUCTOR:

- 22 and 18 AWG fully annealed stranded tinned copper per ASTM B33 or stranded bare copper per ASTM B3

INSULATION:

- Premium grade, color coded Plenum Rated PVC
- Color code: see chart below

SHIELD:

- 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum
- Stranded tinned copper drain wire

JACKET:

- Plenum Rated PVC
- Temperature range: -20°C to +75°C
- Sequential footage marked to facilitate installation
- Ripcord available – consult Customer Service for details

APPLICATIONS:

- EIA RS-232 circuits
- Remote control circuits
- Process control and instrumentation
- Power limited control circuits
- Suggested voltage rating: 150 volts

COMPLIANCES:

- NEC Article 800 (UL: 75°C, 300V)
- NEC Article 725 (UL: 75°C, 150V)

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

CCTV Coaxial, TV Camera & Video Surveillance



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	AWG Size Nom. DCR	Insulation Material		Shield Coverage	Nominal O.D.	Nom. Capacitance	Weight
		Inches	MM		Inches	PF/FT	
Non-Plenum							
WRG59-1805 RG 59/U Type + 18 AWG Unshielded Pair UL CL2	20 AWG Solid BC Coax	Cellular Polyethylene		95% Bare Copper Braid	Black PVC	16.20	64
		0.144	3.66				
	18 AWG 7/26 Unshielded Pair	Premium PVC		Unshielded Pair	0.242 x 0.460		
		0.010	0.25				
WRG59-1721 RG 59/U Type CCTV	20 AWG Solid BC Coax	Cellular Polyethylene		95% Bare Copper Braid	Black PVC	16.20	34
		0.146	3.71		0.242		
		Low Smoke PVC					
Plenum							
WRG59-2805 RG 59/U Type +18 AWG Unshielded Pair UL CL2P	20 AWG Solid BC Coax	Cellular FEP		95% Bare Copper Braid	Flexguard® PVC	16.30	46
		0.135	3.43		0.212 x 0.380		
	18 AWG 7/26 Unshielded Pair	Low Smoke PVC		Unshielded Pair			
		0.006	0.15				
WRG59-1721 RG 59/U Type CCTV	20 AWG Solid BC Coax	Low Smoke PVC		95% Bare Copper Braid	Flexguard® PVC	16.50	38
		0.145	3.68		Natural 0.212 x 0.380		



Product Construction

CONDUCTOR:

- Copper

INSULATION/CORE:

- Cellular polyethylene, Flexguard® PVC or Halar

SHIELD:

- Bare copper or tinned copper or aluminum braid
- Flexfoil® shield available

JACKET:

- Premium PVC or Plenum PVC

PACKAGING:

- 1000' (305 m) Reels
- Other put-ups available – consult Customer Service

APPLICATIONS:

- Suitable for RF signal transmission
- CATV
- DBS
- Drop cable
- Digital video

COMPLIANCES:

- As noted

PACKAGING:

- 1000' (305m) Spools



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Access Controls

NEC Type CM (UL) c(UL), CSA CMG, NEC Type CMP (UL) c(UL)



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	Construction	NEC Type	Jacket Color	Nom. O.D. Inches	Weight Pounds
WSECCOMP-1820	22/3PR SH, 18/4C SH, 22/4C SH, 22/1PR SH Each element jacketed and labelled by application	CMR	Yellow	0.435	120
WSECCOMP-2812	22/2C SH, 22/3PR SH, 22/6C SH, 18/2C NS Each element jacketed	CMP	Yellow	0.425	95
WSECCOMP-2813	22/6C SH, 22/4C SH, 22/2C SH, 18/4C SH Each element shielded	CMP	White	0.344	80
WSECCOMP-2814	22/6C SH, 22/4C NS, 22/2C NS, 18/2C NS Each element jacketed	CMP	Blue	0.414	83
WSECCOMP-2825	18/4C NS, 22/3PR SH, 22/2C NS, 22/4C NS Each element jacketed and labelled by application	CMP	Yellow	0.405	110
WSECCOMP-2835	18/4C NS, 22/4C NS, 22/4C NS, 22/6C SH Each element jacketed	CMP	Natural	0.399	97
WSECCOMP-2820BND	22/1 PR SH RS485, 18/2C NS	CMP	Natural	0.382	87
WSECCOMP-20SDPYL	22/1PR NS, 18/4C NS, 22/4C NS, 22/2C NS	CMP	Yellow	0.440	100

Product Construction

CONDUCTOR:

- Stranded bare copper
- Grouped into elements

INSULATION:

- Premium grade color coded PVC or Plenum
- Color code: see chart below

SHIELD:

- 100% Flexfoil® aluminum/ polyester foil stranded tinned copper drain wire each shielded group

JACKET:

- PVC or Plenum
- Temperature range: -20°C to +75°C

APPLICATIONS:

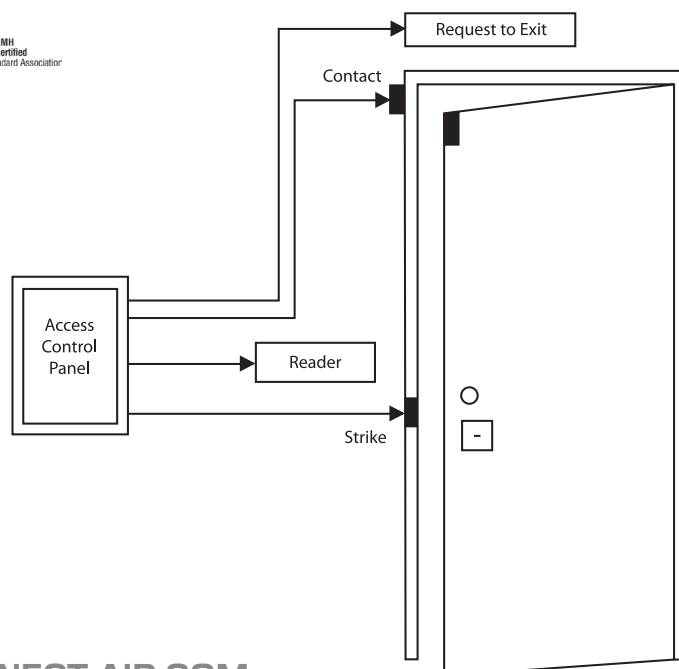
- Access controls
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 800 Type CMR (UL: 75°C)

PACKAGING:

- 1000' (305m) Spools
- Other put-ups available – consult Customer Service



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Multi-Conductor, Unshielded, Non-Plenum NEC Type FPLR



Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
18 AWG Conductors									
W181P-1604	2	18	Solid	0.010	0.25	0.015	0.38	0.150	16
W184C-1602	4	18	Solid	0.010	0.25	0.015	0.38	0.175	29
W186C-1654	6	18	Solid	0.010	0.25	0.015	0.38	0.210	41
16 AWG Conductors									
W161P-1601	2	16	Solid	0.010	0.25	0.015	0.38	0.172	23
W164C-1614	4	16	19/.0117	0.010	0.25	0.015	0.38	0.202	42
14 AWG Conductors									
W141P-1607	2	14	Solid	0.013	0.33	0.015	0.38	0.210	36
W144C-1651	4	14	Solid	0.013	0.33	0.015	0.38	0.248	66
12 AWG Conductors									
W121P-1624	2	12	Solid	0.013	0.33	0.015	0.38	0.244	53

Multi-Conductor, Shielded, Non-Plenum NEC Type FPLR



Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
18 AWG Conductors									
W181P-1603	2	18	Solid	0.010	0.25	0.015	0.38	0.158	19
W184C-1605	4	18	Solid	0.010	0.25	0.015	0.38	0.183	32
16 AWG Conductors									
W161P-1606	2	16	Solid	0.010	0.25	0.015	0.38	0.180	26
W164C-1628	4	16	19/.0117	0.010	0.25	0.015	0.38	0.210	42
14 AWG Conductors									
W141P-1600	2	14	Solid	0.013	0.33	0.015	0.38	0.218	41
W144C-1650	4	14	Solid	0.013	0.33	0.015	0.38	0.253	76
12 AWG Conductors									
W121P-1653	2	12	Solid	0.013	0.33	0.015	0.38	0.252	56



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov



Designed to Meet UL 910
Test For Flame Propagation
& Smoke Density
Underwriters Laboratories Inc.

Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	5	Orange
2	Red	6	Yellow
3	Brown	7	Violet
4	Blue	8	Gray

Product Construction

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade, color coded, S-R PVC

JACKET:

- Premium grade, Red PVC, other jacket colors may be available – consult sales office
- Suitable for use from 20°C to + 75°C
- Round constructions have sequential footage markings to facilitate installation
- Includes ripcord on round constructions

APPLICATIONS:

- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLR (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to meet UL 1666 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade, color coded, S-R PVC

SHIELD:

- Overall Flexfoil® polyester supported
- aluminum foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade, Red PVC, other jacket colors may be available – consult sales office
- Suitable for use from 0°C to + 75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

APPLICATIONS:

- Wiring of fire alarms
- Smoke alarms
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLR (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to Meet UL 1666 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

Mid-Capacitance, Shielded, Non-Plenum

NEC Type FPL for Microprocessor Controlled Systems



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Nominal PF/FT		Weight Pounds
				Inches	MM	Inches	MM		A*	B*	
W181P-1608	2	18	Solid	0.014	0.36	0.020	0.51	0.182	27.0	49.0	22
W161P-1609	2	16	Solid	0.016	0.41	0.020	0.51	0.214	29.0	52.0	30
W141P-1649	2	14	Solid	0.018	0.46	0.020	0.51	0.287	31.0	55.5	47

*A: Capacitance between conductors

*B: Capacitance between one conductor and other conductors connected to shield



Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Mid-Capacitance, Unshielded, Non-Plenum

NEC Type FPL for Microprocessor Controlled Systems



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Nominal PF/FT	Weight Pounds
				Inches	MM	Inches	MM			
W181P-1617	2	18	Solid	0.014	0.36	0.020	0.51	0.177	16.5	22
W161P-1647	2	16	Solid	0.016	0.41	0.020	0.51	0.206	17.5	30
W141P-1656	2	14	Solid	0.018	0.46	0.020	0.51	0.240	18.0	38



Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Product Construction

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade, color coded polypropylene
- Color code: see chart below

SHIELD:

- 100% Flexfoil® aluminum/polyester, 25% overlap, minimum
- Stranded tinned copper drain wire

JACKET:

- PVC, red
- Temperature range: 0°C to +60°C

APPLICATIONS:

- Addressable fire alarm systems
- Fire alarm systems
- Voice communications
- Smoke detectors
- Pull boxes
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPL (UL: 60°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Passes UL 70,000 BTU Vertical Tray Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

CONDUCTOR:

- 18 thru 12 AWG fully annealed solid bare copper per ASTM B3

INSULATION:

- Premium grade, color coded polypropylene
- Color code: see chart below

JACKET:

- PVC, red
- Temperature range: -20°C to +60°C

APPLICATIONS:

- Addressable fire alarm systems
- Fire alarm systems
- Voice communications
- Smoke detectors
- Pull boxes
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPL (UL: 60°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Passes UL 70,000 BTU Vertical Tray Flame Test

PACKAGING:

- 1000' (305m) Reels
- 500' (152m) Reels
- Other put-ups available – consult Customer Service

Multi-Conductor, Shielded, Direct Burial NEC Type FPL/PLTC 300V



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM		
W181P-1676	2	18	7/26	0.015	0.005	0.040	1.02	0.310	48
W161P-1661	2	16	7/24	0.015	0.005	0.040	1.02	0.328	58
W141P-1662	2	14	19/27	0.015	0.005	0.040	1.02	0.350	75



Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Multi-Conductor Unshielded, Direct Burial NEC Type FPL/PLTC 300V



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM		
W181P-1679	2	18	7/26	0.015	0.005	0.040	1.02	0.270	37
W161P-1657	2	16	7/24	0.015	0.005	0.040	1.02	0.295	48
W141P-1663	2	14	19/27	0.015	0.005	0.040	1.02	0.310	59
W144C-1699	4	14	19/27	0.015	0.005	0.040	1.02	0.395	98



Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Product Construction

CONDUCTOR:

- Stranded copper per ASTM B3

INSULATION:

- PVC with nylon
- Color code: see chart below

SHIELD:

- 100% Flexfoil® aluminum/polyester foil, 25% overlap, minimum
- Stranded tinned copper drain wire

JACKET:

- PVC, Black
- Temperature range: -20°C to +105°C dry locations, 75°C wet locations
- Includes ripcord

APPLICATIONS:

- Fire alarm systems
- Smoke detectors
- Fire protective circuits
- Burglar alarms
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type PLTC/FPLR (UL: 105°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved

FEATURES:

- Sunlight and moisture resistant jacket
- Sequentially footage marked
- Water blocked construction

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

CONDUCTOR:

- Stranded bare copper

INSULATION:

- PVC with nylon
- Color code: see chart below

JACKET:

- PVC, Black
- Temperature range: -20°C to +105°C dry locations, 75°C wet locations
- Includes ripcord

APPLICATIONS:

- Fire alarm systems
- Voice communications
- Smoke detectors
- Burglar Alarms
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type PLTC/FPLR (UL: 105°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved

FEATURES:

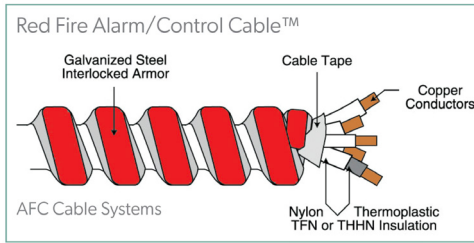
- Sunlight and moisture resistant jacket
- Sequentially footage marked
- Water blocked construction

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

Multi-Conductor, Type MC

FPLP/MC 300V/600V



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Multi-Conductor, Unshielded, Type MC

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nominal O.D. Inches	Weight Pounds
18 AWG Conductors					
W181P-1604MC	2	18	Solid	0.410	115
W184C-1602MC	4	18	Solid	0.430	130
16 AWG Conductors					
W161P-1601MC	2	16	Solid	0.420	130
W164C-1614MC	4	16	Solid	0.440	155
14 AWG Conductors					
W141P-1607MC	2	14	Solid	0.470	175
W144C-1651MC	4	14	Solid	0.510	230

Multi-Conductor, Type CIC



WARNING: Cancer & Reproductive Harm
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Multi-Conductor, Unshielded, Type CIC

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nominal O.D. Inches	Weight Pounds
18 AWG Conductors					
W181P-1604CIC	2	18	Solid	0.330	53
16 AWG Conductors					
W161P-1601CIC	2	16	Solid	0.330	62
14 AWG Conductors					
W141P-1607CIC	2	14	Solid	0.390	80
W144C-1651CIC	4	14	Solid	0.440	125

Multi-Conductor, Shielded, Type CIC

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nominal O.D. Inches	Weight Pounds
18 AWG Conductors					
W181P-1603CIC	2	18	Solid	0.330	57
16 AWG Conductors					
W161P-1606CIC	2	16	Solid	0.350	66
14 AWG Conductors					
W141P-1600CIC	2	14	Solid	0.400	130

MC Product Construction

CONDUCTOR:

- Solid copper

CONDUCTOR INSULATION:

- TFN and/or THHN

ASSEMBLY:

- Polyester assembly tape

GROUNDING:

- Bare or insulated green

APPLICATIONS:

- Fire Alarm/Control Type MC – FPLP

COMPLIANCES:

- Cable tray installations per NEC
- NFPA 262 (formerly U.L. 910)
- Plenum rated – Type FPLP

MAX. TEMPERATURE RATING:

- FPLP: 105° (dry)
- MC: 90° (dry)

MAX. VOLTAGE RATING:

- 300V (FPLP)
- 600V (MC)

CIC Product Construction

CONDUCTOR:

- Solid copper

APPLICATIONS:

- 2-hour fire rated – FPL/-NPLF

COMPLIANCES:

- UL 2196
- NFPA 262 (formerly U.L. 910)

MAX. VOLTAGE RATING:

- FPL – 300V
- NPLR – 150V

NOTE: 2-hour rated cable must be installed in conduit for any high-rise building over 75 feet, any federal building, and areas of assembly (1000 or more people).

Multi-Conductor, Unshielded, Plenum

NEC Type FPLP



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM		
18 AWG Conductors									
W181P-2600	2	18	Solid	0.010	0.25	0.015	0.38	0.155	17
W184C-2607	4	18	Solid	0.010	0.25	0.015	0.38	0.175	30
W186C-2651	6	18	Solid	0.010	0.25	0.015	0.38	0.211	57
16 AWG Conductors									
W161P-2601	2	16	Solid	0.010	0.25	0.015	0.38	0.172	24
W164C-2637	4	16	Solid	0.010	0.25	0.015	0.38	0.202	45
14 AWG Conductors									
W141P-2611	2	14	Solid	0.012	0.30	0.015	0.38	0.210	36
W144C-2640	4	14	Solid	0.012	0.30	0.015	0.38	0.243	66
12 AWG Conductors									
W121P-2613	2	12	Solid	0.012	0.30	0.015	0.38	0.244	52

Multi-Conductor Shielded, Plenum

NEC Type FPLP



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM		
18 AWG Conductors									
W181P-2601	2	18	Solid	0.010	0.25	0.015	0.38	0.155	21
W184C-2621	4	18	Solid	0.010	0.25	0.015	0.38	0.183	34
W186C-2644	6	18	Solid	0.010	0.25	0.015	0.38	0.216	47
16 AWG Conductors									
W161P-2602	2	16	Solid	0.010	0.25	0.015	0.38	0.180	28
W164C-2604	4	16	Solid	0.010	0.25	0.015	0.38	0.210	49
14 AWG Conductors									
W141P-2605	2	14	Solid	0.012	0.30	0.015	0.38	0.210	43
W144C-2642	4	14	Solid	0.012	0.30	0.015	0.38	0.248	76
12 AWG Conductors									
W121P-2645	2	12	Solid	0.012	0.30	0.015	0.38	0.252	57

Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	4	Blue
2	Red	5	Orange
3	Brown	6	Yellow



Product Construction

CONDUCTOR:

- 18 thru 12 AWG fully annealed solid bare copper per ASTM B3

INSULATION:

- Premium grade, color coded, Plenum Rated PVC

JACKET:

- Premium grade, Red Plenum Rated PVC, other jacket colors may be available – consult sales office
- Suitable for use from 0°C to + 75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

APPLICATIONS:

- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLP (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to meet UL 910 flame test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade, color coded, Plenum Rated PVC

SHIELD:

- 100% aluminum foil/polyester
- Stranded tinned copper drain wire

JACKET:

- Premium grade, Red Plenum Rated PVC, other jacket colors may be available – consult sales office
- Suitable for use from 0°C to + 75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

APPLICATIONS:

- Wiring of fire alarms
- Smoke detectors
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLP (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to meet UL 910 Flame Test

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons (18 and 16 AWG items only)
- 1000' (305m) reels
- 500' (152m) spools or reels
- Other put-ups available – consult Customer Service

Mid-Capacitance, Shielded, Plenum

NEC Type FPLP for Microprocessor Controlled Systems



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Nominal PF/FT		Weight Pounds
				Inches	MM	Inches	MM		A*	B*	
W181P-2620	2	18	Solid	0.014	0.36	0.015	0.38	0.172	31.0	56.0	22
W161P-2634	2	16	Solid	0.016	0.41	0.015	0.38	0.203	33.0	59.0	35

*A: Capacitance between conductors

*B: Capacitance between one conductor and other conductors connected to shield

Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Mid-Capacitance, Unshielded, Plenum

NEC Type FPLP for Microprocessor Controlled Systems



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Nominal PF/FT	Weight Pounds
				Inches	MM	Inches	MM			
W181P-2622	2	18	Solid	0.014	0.36	0.015	0.38	0.172	19.0	18
W161P-2633	2	16	Solid	0.016	0.41	0.015	0.38	0.196	20.0	31
W141P-2646	2	14	Solid	0.018	0.46	0.020	0.51	0.242	20.0	43

*Capacitance between conductors

Color Code Chart

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue

Product Construction

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade color coded Fluoropolymer
- Color code: see chart below

SHIELD:

- 100% aluminum/polyester foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade, Red Plenum Rated PVC
- Temperature range: 0°C to + 75°C
- Includes ripcord

APPLICATIONS:

- Addressable fire alarm systems
- Fire alarm systems
- Voice communications
- Smoke detectors
- Pull boxes
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLP (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to Meet UL 910 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

CONDUCTOR:

- Solid bare copper

INSULATION:

- Premium grade color coded Fluoropolymer
- Color code: see chart below

JACKET:

- Premium grade, Red Plenum Rated PVC
- Temperature range: 0°C to + 75°C
- Includes ripcord

APPLICATIONS:

- Addressable fire alarm systems
- Fire alarm systems
- Voice communications
- Smoke detectors
- Pull boxes
- Suggested voltage rating: 300 volts

COMPLIANCES:

- UL Type FPLP (UL: 75°C, 300V)
- NEC Article 760
- California State Fire Marshall Approved
- Designed to Meet UL 910 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available – consult Customer Service

Special Application and Comm Cables for Building Automation Systems



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Shield	Jacket Color	Application	Nom. O.D. Inches	Weight Pounds
Allerton® Plenum							
W241P-2000FBRSP	2	24	Yes	Raspberry	BACtalk® MS/TP, VLX-EXP Comm Bus, IBEX LAN	0.108	13
W241P-2000FB	2	24	Yes	Orange	BACtalk® MS/TP, VLX-EXP Comm Bus, IBEX LAN	0.108	13
W181P-2540	2	18	Yes	Mint Green	IBEX TUX Trunk/General Purpose/Inputs/Outputs	0.164	21
W183C-2058BLRB	3	18	Yes	Blue	BACtalk® 3-wire Microset	0.169	28
AUTOMATED LOGIC®							
W221P-2227RIB	2	22	Yes	Green*	ARC156 Comm Cable Plenum	0.138	14
W224C-2160RIB	4	22	No	White	Logistat Cable Plenum	0.125	17
DAIKIN AC® – PLENUM							
W181P-2051	2	18	No	White*	Indoor Unit to Remote Control	0.155	14
W161P-2062	2	16	No	White*	Indoor Unit to Remote Control	0.125	17
DELTA CONTROLS™ – PLENUM							
W241P-2000FRIB	2	24	Yes	Orange	Comm Cable	0.108	13
W24182P-2306BL	2 pr	24/18	Yes	Blue	Combination Cable (24/1pr Comm + 18/2 Power)	0.308	26
W201P-2053RIB	2	20	No	White	Sensor	0.138	12
W204C-2065P	4	20	No	Purple	Sensor	0.161	21
W181P-2051YRB	2	18	No	Yellow	Sensor	0.156	17
W184C-2099P	4	18	No	Purple	Sensor	0.187	32
DISTECH CONTROLS® – PLENUM							
W241P-2000FBLRB	2	24	Yes	Blue	BACnet® Comm Plenum	0.108	13
W221P-2001GRIB	2	22	No	Green	LON™ Comm Plenum	0.122	12
JOHNSON™ – PLENUM							
W223C-2144FCBJC	3	22	Yes	Blue	FC Bus Plenum	0.131	16
W222P-2147BRNJC	2 pr	22	Yes	Brown	SA Bus Plenum	0.157	18
W221P-2005	2	22	No	Various	Metasys® 2 cond Plenum	0.120	9
W223C-2036	3	22	No	Various	Metasys® 3 cond Plenum	0.127	12
W183C-2058BLBJC	3	18	Yes	Blue	N2 Blue Plenum	0.169	28
W243P-2157	3 pr	24	No	White	Metasys® T-Stat 3 pair Cat-3 Plenum	0.150	13
LON WORKS™ – PLENUM							
W221P-2001B	2	22	No	Blue*	LON™ 1 pair, Level 4, Unshielded, Plenum	0.122	12
W221P-2002B	2	22	Yes	Blue*	LON™ 1 pair, Level 4, Shielded, Plenum	0.176	13
W222P-2003B	2 pr	22	No	Blue	LON™ 2 pair, Level 4, Unshielded, Plenum	0.196	19
LON WORKS™ – NON-PLENUM							
W221P-1002B	2	22	No	Gray	LON™ 1 pair, Level 4, Unshielded, Non-Plenum	0.142	15
W221P-1003B	2	22	Yes	Gray	LON™ 1 pair, Level 4, Shielded, Non-Plenum	0.213	15

TRADEMARK NOTICES:

LON™ and LonWorks™ are trademarks of Echelon Corporation.

BACnet® is a registered trademark of ASHRAE.

Metasys® is a registered trademark of Johnson Controls.

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Special Application and Comm Cables for Building Automation Systems



WARNING: Cancer & Reproductive Harm
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Part Number	No. of Cond.	AWG Size	Shield	Jacket Color	Application	Nom. O.D. Inches	Weight Pounds
LON/BACNET® WET LOCATION™							
W221P-1002PE	2	22	No	Black	LON™/BACnet® 1 pair, Unshielded Wet Location	0.198	15
W221P-1003PE	2	22	Yes	Black	LON™/BACnet® 1 pair, Shielded Wet Location	0.200	17
W222P-1005LT	2 pr	22	Yes	Black	LON™/BACnet® 2 pair, Shielded Wet Location	0.248	23
MITSUBISHI ELECTRIC™							
W161P-2084	2	16	Yes	White, Yellow, Purple	CITY MULTI Plenum	0.179	27
W201P-2053RIB	2	20	No	White	Thermostats	0.138	12
PHOENIX CONTROLS®							
W223C-2060YPC	3	22	Yes	Yellow	BACnet® 3C MS/TP, Plenum	0.172	20
SIEMENS®							
W241.5P-5400BLN	1.5	24	Yes	Orange	BACnet® 3 conductor BLN Low Cap Comm Plenum	0.203	19
W242P-2108	2 pr	24	Yes-1/S	Orange	BACnet® 2 pair Low Cap Plenum		
W243P-2157	3 pr	24	No	White	TEC STAT 3 Pair Cat 3 Solid Plenum	0.150	13
W201P-2053BLUSM	2	20	No	Blue	TEC V/D 2 conductor Plenum	0.138	12
W221P-20010RWS	2	22	No	Orange w/White Stripe	LON™ 2C Unshielded Plenum	0.122	12
W141P-2013NVBL	2	14	No	Navy Blue	POWER Plenum	0.216	37
TRANE®							
W181P-2028XRB	2	18	Yes	Purple*	Comm 3/4 Plenum	0.179	25
W221P-2001B	2	22	No	Blue*	Comm 5, LON™, Level 4 Plenum	0.122	12
W181P-2040	2	18	Yes	White*	2 conductor Sensor Plenum	0.164	21
W183C-2058	3	18	Yes	White*	3 conductor Sensor Plenum	0.168	28
W184C-2059RIB	4	18	Yes	White*	4 conductor Sensor Plenum	0.185	36
Other Special Application							
W181P-2145VR	2	18	Yes	Red	Fuel Pump Cable	0.154	23

* Other jacket colors available upon request. Please consult sales office.

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Multi-Conductor, Unshielded, Tray Cable

Type TC, 600V



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Nom. O.D. Inches	Weight Pounds
18 AWG Conductors				
W181P-1416	2	18	0.255	33
W184C-1054	4	18	0.310	52
W186C-1497	6	18	0.360	72
W118-08VNTC	8	18	0.380	89
16 AWG Conductors				
W161P-1047	2	16	0.280	42
W116-03VNTC	3	16	0.310	55
W116-04VNTC	4	16	0.340	69
W116-06VNTC	6	16	0.390	96
W116-08VNTC	8	16	0.390	122
14 AWG Conductors				
W141P-1110	2	14	0.285	62
W114-03VNTC	3	14	0.350	80
W114-04VNTC	4	14	0.380	99
W114-06VNTC	6	14	0.450	140

Note: Other gauge sizes and conductor counts are available - contact your sales office.

Product Construction

CONDUCTOR:

- Stranded bare copper

INSULATION:

- Flame-Retardant PVC with Nylon

JACKET:

- Sunlight Resistant PVC
- Suitable for use to 90C (dry)

APPLICATIONS:

- Indoors
- Outdoors
- Direct Burial
- In ducts, conduits or cable trays
- Aerially

STANDARDS:

- UL Type TC
- Approved for class 1 remote-control and signalling circuits (NEC Art 725)

SPECIAL
APPLICATION



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Multi-Conductor, Shielded, Tray Cable

Type TC, 600V



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

SPECIAL
APPLICATION

18 AWG Conductors

Part Number	No. of Cond.	AWG Size	Nom. O.D. Inches	Weight Pounds
W181P-1105	2	18	0.270	34
W183C-1245	3	18	0.280	43
W184C-1270	4	18	0.310	52
W186C-1391	6	18	0.360	72
W188C-1552	8	18	0.380	79

16 AWG Conductors

W161P-1276	2	16	0.290	43
W116-03SVNTC	3	16	0.310	55
W164C-1428	4	16	0.340	69
W116-06SVNTC	6	16	0.390	96

14 AWG Conductors

W114-02SVNTC	2	14	0.330	62
W114-03SVNTC	3	14	0.350	80
W114-04SVNTC	4	14	0.380	99

Note: Other gauge sizes and conductor counts are available - contact your sales office.

Product Construction

CONDUCTOR:

- Stranded bare copper

INSULATION:

- Flame-Retardant PVC with Nylon

SHIELD:

- Overall Aluminum-mylar tape with stranded

JACKET:

- Sunlight Resistant PVC
- Suitable for use to 90C (dry)

APPLICATIONS:

- Indoors
- Outdoors
- Direct Burial
- In ducts, conduits or cable trays
- Aerially

STANDARDS:

- UL Type TC
- Approved for class 1 remote-control and signalling circuits (NEC Art 725)



CONNECT *AIR*
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Multi-Conductor, Unshielded, Riser

NEC Type CMR and/or CL3R



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-1052	2	22	7/30	0.008	0.20	0.015	0.38	0.122	9
W224C-1108	4	22	7/30	0.008	0.20	0.015	0.38	0.156	14
W226C-1024	6	22	7/30	0.008	0.20	0.015	0.38	0.164	22
W228C-1906	8	22	7/30	0.008	0.20	0.015	0.38	0.180	26
W2210C-1149	10	22	7/30	0.008	0.20	0.015	0.38	0.212	36
W2212C-1286	12	22	7/30	0.008	0.20	0.015	0.38	0.219	42
18 AWG Conductors									
W181P-1002	2	18	7/26	0.009	0.23	0.015	0.38	0.156	17
W183C-1045	3	18	7/26	0.009	0.23	0.015	0.38	0.166	25
W184C-1037	4	18	7/26	0.009	0.23	0.015	0.38	0.187	32
W186C-1049	6	18	7/26	0.009	0.23	0.015	0.38	0.216	47
W188C-1041	8	18	7/26	0.009	0.23	0.015	0.38	0.235	61
W1812C-1236	12	18	7/26	0.009	0.23	0.015	0.38	0.270	66
16 AWG Conductors									
W161P-1031	2	16	19/.0117	0.008	0.20	0.015	0.38	0.174	26
W164C-1123	4	16	19/.0117	0.008	0.20	0.015	0.38	0.204	45
14 AWG Conductors									
W144C-1109*	4	14	19/.0147	0.011	0.20	0.015	0.38	0.255	68
12 AWG Conductors									
W121P-1058*	2	12	19/.0185	0.011	0.20	0.015	0.38	0.252	52

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded or solid bare copper

INSULATION:

- Premium grade color coded S-R PVC

JACKET:

- Premium grade gray PVC
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Includes ripcord

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3R (UL: 75°C, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)
- California State Fire Marshall Approved

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- Other put-ups available—consult Customer Service

TEMP.
CONTROL



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

CONNECT-AIR.COM

Multi-Conductor, Shielded, Riser

NEC Type CMR and/or CL3R



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-1001	2	22	7/30	0.008	0.20	0.015	0.38	0.132	11
W223C-1097	3	22	7/30	0.008	0.20	0.015	0.38	0.135	14
W224C-1005	4	22	7/30	0.008	0.20	0.015	0.38	0.147	17
W226C-1042	6	22	7/30	0.008	0.20	0.015	0.38	0.173	23
W228C-1252	8	22	7/30	0.008	0.20	0.015	0.38	0.195	28
W2212C-1198	12	22	7/30	0.008	0.20	0.015	0.38	0.225	40
20 AWG Conductors									
W201P-1069	2	20	7/28	0.008	0.20	0.015	0.38	0.142	11
W203C-1019	3	20	7/28	0.008	0.20	0.015	0.38	0.151	18
W204C-1207	4	20	7/28	0.008	0.20	0.015	0.38	0.171	23
18 AWG Conductors									
W181P-1003	2	18	7/26	0.009	0.23	0.015	0.38	0.164	20
W183C-1240	3	18	7/26	0.009	0.23	0.015	0.38	0.172	27
W184C-1051	4	18	7/26	0.009	0.23	0.015	0.38	0.192	33
W186C-1046	6	18	7/26	0.009	0.23	0.015	0.38	0.230	41
W188C-1068	8	18	7/26	0.009	0.23	0.015	0.38	0.250	49
W1810C-1003	10	18	7/26	0.009	0.23	0.015	0.38	0.287	64
W1812C-1966	12	18	7/26	0.009	0.23	0.015	0.38	0.296	76
16 AWG Conductors									
W161P-1010	2	16	19/0117	0.010	0.25	0.015	0.38	0.189	25
W163C-1469	3	16	19/0117	0.010	0.25	0.015	0.38	0.198	38
W164C-1953	4	16	19/0117	0.010	0.25	0.015	0.38	0.219	76
14 AWG Conductors									
W141P-1219*	2	14	19/0147	0.013	0.33	0.015	0.38	0.245	42
12 AWG Conductors									
W121P-1377*	2	12	19/0185	0.013	0.33	0.015	0.38	0.281	60

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded S-R PVC

SHIELD:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade gray PVC
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Includes ripcord

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3R (UL: 75°C, 150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)
- California State Fire Marshall Approved

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- 500' (152m) Spools or Reels
- Other put-ups available—consult Customer Service



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Multi-Conductor, Unshielded, Plenum

NEC Type CMP and/or CL3P



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-2005	2	22	7/30	0.008	0.20	0.015	0.38	0.120	9
W223C-2036	3	22	7/30	0.008	0.20	0.015	0.38	0.127	12
W224C-2057	4	22	7/30	0.008	0.20	0.015	0.38	0.139	15
W226C-2083	6	22	7/30	0.008	0.20	0.015	0.38	0.164	21
W228C-2089	8	22	7/30	0.008	0.20	0.015	0.38	0.178	26
W2212C-2235	12	22	7/30	0.008	0.20	0.015	0.38	0.205	38
20 AWG Conductors									
W201P-2053	2	20	7/28	0.009	0.23	0.015	0.38	0.138	12
W203C-2064	3	20	7/28	0.009	0.23	0.015	0.38	0.146	17
W204C-2065	4	20	7/28	0.009	0.23	0.015	0.38	0.161	21
18 AWG Conductors									
W181P-2051	2	18	7/26	0.008	0.20	0.015	0.38	0.156	17
W183C-2052	3	18	7/26	0.008	0.20	0.015	0.38	0.166	25
W184C-2099	4	18	7/26	0.008	0.20	0.015	0.38	0.187	32
W186C-2054	6	18	7/26	0.009	0.23	0.015	0.38	0.216	47
W188C-2046	8	18	7/26	0.009	0.23	0.015	0.38	0.235	61
W1810C-2078	10	18	7/26	0.009	0.23	0.015	0.38	0.270	66
W1812C-1236	12	18	7/26	0.009	0.23	0.015	0.38	0.279	83
16 AWG Conductors									
W161P-2062	2	16	19/.0117	0.008	0.20	0.015	0.38	0.174	26
W163C-2008	3	16	19/.0117	0.008	0.20	0.015	0.38	0.185	33
W164C-1123	4	16	19/.0117	0.008	0.20	0.015	0.38	0.204	45
14 AWG Conductors									
W141P-2013*	2	14	19/.0147	0.011	0.20	0.015	0.38	0.216	37
W144C-2093*	4	14	19/.0147	0.011	0.20	0.015	0.38	0.255	68
12 AWG Conductors									
W121P-2151*	2	12	19/.0185	0.011	0.20	0.015	0.38	0.252	52

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Product Construction

CONDUCTOR:

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

INSULATION:

- Premium grade color coded Plenum Rated PVC

JACKET:

- Premium grade Plenum Rated PVC
- Multiple jacket colors available – consult sales office
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Ripcord available—consult Customer Service for details

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Temperature Controls
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3P (UL: 75°C, 150V)
- NEC Article 800 Type CMP (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- Other put-ups available—consult Customer Service

TEMP.
CONTROL



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

CONNECT-AIR.COM

Multi-Conductor, Shielded, Plenum

NEC Type CMP and/or CL3P



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Cond. Strand	Nom. Insul. Thickness		Nom. Jacket Wall		Nom. O.D.	Weight
				Inches	MM	Inches	MM	Inches	Pounds
22 AWG Conductors									
W221P-2044	2	22	7/30	0.008	0.20	0.015	0.38	0.128	14
W223C-2144	3	22	7/30	0.008	0.20	0.015	0.38	0.131	16
W224C-2020	4	22	7/30	0.008	0.20	0.015	0.38	0.147	19
W226C-2077	6	22	7/30	0.008	0.20	0.015	0.38	0.173	24
W228C-2032	8	22	7/30	0.008	0.20	0.015	0.38	0.184	28
20 AWG Conductors									
W201P-2057	2	20	7/28	0.009	0.23	0.015	0.38	0.143	15
W203C-2173	3	20	7/28	0.009	0.23	0.015	0.38	0.151	19
W204C-2124	4	20	7/28	0.009	0.23	0.015	0.38	0.166	24
18 AWG Conductors									
W181P-2040	2	18	7/26	0.008	0.20	0.015	0.38	0.164	21
W183C-2058	3	18	7/26	0.008	0.20	0.015	0.38	0.169	28
W184C-2059	4	18	7/26	0.008	0.20	0.015	0.38	0.185	36
W186C-2055	6	18	7/26	0.009	0.23	0.015	0.38	0.231	51
W188C-2030	8	18	7/26	0.009	0.23	0.015	0.38	0.252	56
W1810C-2088	10	18	7/26	0.009	0.23	0.015	0.38	0.270	70
W1812C-2145	12	18	7/26	0.009	0.23	0.015	0.38	0.279	85
16 AWG Conductors									
W161P-2084	2	16	19/0117	0.008	0.20	0.015	0.38	0.179	27
W163C-2018	3	16	19/0117	0.008	0.20	0.015	0.38	0.190	37
W164C-2155	4	16	19/0117	0.008	0.20	0.015	0.38	0.209	48
14 AWG Conductors									
W141P-2087*	2	14	19/0147	0.008	0.20	0.015	0.38	0.207	40
W144C-2297*	4	14	19/0147	0.008	0.20	0.015	0.38	0.260	75
12 AWG Conductors									
W121P-2144*	2	12	19/0185	0.008	0.20	0.015	0.38	0.244	55
W124C-2273*	4	12	19/0185	0.008	0.20	0.015	0.38	0.288	120

*NEC CL3R only



Color Code Chart

No. of Cond.	Color	No. of Cond.	Color
1	Black	5	Brown
2	Red	6	Blue
3	White	7	Orange
4	Green	8	Yellow

Product Construction

CONDUCTOR:

- Stranded or solid bare copper

INSULATION:

- Premium grade color coded Plenum Rated PVC

SHIELD:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

JACKET:

- Premium grade Plenum Rated PVC
- Sequential footage markings to facilitate installation
- Suitable for use from -20°C to +75°C
- Ripcord available—consult Customer Service for details

APPLICATIONS:

- Power limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

COMPLIANCES:

- NEC Article 725 Type CL3P (UL: 75°C, 150V)
- NEC Article 800 Type CMP (UL: 75°C, 300V)

PACKAGING:

- 1000' (305m) Pull-Pac® Cartons
- 1000' (305m) Spools or Reels
- Other put-ups available—consult Customer Service



CONNECT^{AIR}
WIRE & CABLE FROM GCG

CONNECTIVITY & POWER SOLUTIONS

Coaxial Cable, Non-Plenum

UL Type CL2, UL & c(UL) Type CM



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	AWG Size	Insulation Material Inches	Shield Coverage	Nominal O.D. Inches	Nom. Capacitance		Weight Pounds	Velocity Propagation %	Nominal Impedance Ω	Nominal Attenuation	
					PF/FT	PF/M				MHZ	DB/100'
WRG6-1708 RG 6/U TYPE CATV	18 Ga. Solid CCS	Cellular Polyethylene 0.177	100% Flexfoil® +60% AL Braid	PVC 0.226	16.00	52.50	43	81	75	1	0.30
										10	0.66
										50	1.50
										100	2.10
WRG6-1713 RG 6/U TYPE CCTV	18 Ga. Solid BC	Cellular Polyethylene 0.180	95% TC Braid	PVC 0.233	16.00	52.50	40	81	75	200	3.10
										500	5.00
										1000	7.30
WRG6-1702 RG6/U Quad Shld CATV	18 Ga. Solid CCS	Cellular Polyethylene 0.180	100% Flexfoil® +40% AL Braid 100% Flexfoil® +60% AL Braid	PVC 0.295	17.00	52.50	33	81	75	10	0.85
										50	1.00
										200	2.05
										1000	7.55
WRG11-1711UL RG 11/U TYPE CATV	14 Ga. Solid CCS	Cellular Polyethylene 0.280	100% Flexfoil® Bonded +60% AL Braid	PVC 0.351	16.00	52.50	51	81	75	1	0.15
										10	0.57
										50	1.09
										100	1.59
WRG 11-1712 RG11/U TYPE CCTV	14 Ga. Solid BC	Cellular Polyethylene 0.280	95% TC Braid	PVC 0.395	16.00	52.50	81	85	75	200	2.35
										500	3.94
										1000	6.19
										1450	7.45
WRG59-1721 RG 59/U TYPE CCTV	20 Ga. Solid BC	Polyethylene 0.146	95% BC Braid	PVC 0.201	16.50	54.14	34	78	75	1600	8.30
										2200	9.18
										1	0.78
										10	1.90
										50	1.98
										100	2.80
										200	4.10
										500	6.82
										1000	9.64

COAXIAL

Product Construction

CONDUCTOR:

- Solid bare copper, stranded tinned copper or solid copper clad steel

INSULATION:

- Premium grade, cellular or solid polyethylenen

SHIELD:

- Bare or tinned copper or aluminum braid with or without a polyester supported aluminum foil shield

JACKET:

- PVC
- Temperature Range: 0°C to +60°C

APPLICATIONS:

- RF signal transmission
- Video Display Terminals (VDT)
- CCTV and MATV
- Local Area Networks (LAN's)
- Programmable Logic Controllers (PLC's)
- Suggested voltage rating: 150 volts

COMPLIANCES:

- NEC Article 725 (UL: 60°C, 150V)
- NEC Article 800 (UL: 60°C, 300V)
- Designed to Meet NFPA 262 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available—consult Customer Service

Coaxial Cable, Plenum

UL Type CL2P, UL & c(UL) Type CMP



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	AWG Size	Insulation Material		Shield Coverage	Nominal O.D.	Nom. Capacitance		Weight	Velocity Propagation	Nominal Impedance	Nominal Attenuation	
		Inches				Inches	PF/FT				PF/M	Pounds
WRG6-2717 RG 6/U TYPE Plenum - CATV	18 Ga. Solid BC	Cellular Fluoropolymer		100% Flexfoil® +90% AL Braid	Flexguard® PVC Natural	16.00	52.50	43	86	75	1	0.30
		0.170 4.318									10	0.66
											50	1.50
											100	2.10
WRG6-2709 RG 6/U TYPE Plenum - CCTV	18 Ga. Solid BC	Cellular Polyethylene		95% TC Braid	Flexguard® PVC Natural	16.00	52.50	40	86	75	200	3.10
		0.170 4.318									500	5.00
											1000	7.30
WRG6-2704 RG6/U Quad Shld Plenum - CATV	18 Ga. Solid CCS	Cellular Fluoropolymer		100% Flexfoil® +40% AL Braid	Low Smoke PVC	17.00	52.50	33	82	75	10	1.50
		0.168									50	2.40
											200	3.20
											900	7.90
WRG59-2701 RG 59/U TYPE Plenum CCTV	20 Ga. Solid BC	Cellular Fluoropolymer		100% Flexfoil® Bonded +60% AL Braid	PVC	16.00	52.50	34	82	75	1	0.78
		0.145 3.68									10	1.90
											50	1.98
											100	2.80
											200	4.10
											500	6.82
											1000	9.64

COAXIAL

Product Construction

CONDUCTOR:

- Solid bare copper, stranded tinned copper or solid copper clad steel

INSULATION:

- Premium grade, cellular Fluoropolymer

SHIELD:

- Bare or tinned copper or aluminum braid with or without a polyester supported aluminum foil shield

JACKET:

- Flexguard® PVC, Natural
- Temperature Range: 0°C to +60°C

APPLICATIONS:

- RF signal transmission
- Video Display Terminals (VDT)
- CCTV and MATV
- Local Area Networks (LAN's)
- Programmable Logic Controllers (PLC's)
- Suggested voltage rating: 150 volts

COMPLIANCES:

- NEC Article 725 (UL: 60°C, 150V)
- NEC Article 800 (UL: 60°C, 300V)
- Designed to Meet NFPA 262 Flame Test

PACKAGING:

- 1000' (305m) Reels
- Other put-ups available—consult Customer Service

Non-Plenum



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Conductor Strand	Jacket Color	Nom. O.D. Inches	Weight Pounds
Category 3						
W2425P-1070	25pr	24	Solid	***	0.39	105
Category 5e						
W244P-1446	4pr	24	Solid	***	0.20	21
Category 6						
W244P-1552	4pr	23	Solid	***	0.220	28

*** Various colors available. Consult sales office for options.

Direct Burial



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Conductor Strand	Jacket Color	Nom. O.D. Inches	Weight Pounds
Category 5e						
W244P-1897	4pr	24	Solid	Black	0.216	22
Category 6						
W244P-1589	4pr	23	Solid	Black	0.244	30

Plenum



WARNING: Cancer & Reproductive Harm
www.P65Warnings.ca.gov

Part Number	No. of Cond.	AWG Size	Conductor Strand	Jacket Color	Nom. O.D. Inches	Weight Pounds
Category 5e						
W244P-2175	4pr	24	Solid	Blue***	0.175	21
W244P-2176	4pr	24	Solid	White***	0.175	21
Category 6						
W244P-2274	4pr	23	Solid	White***	0.215	28

Non-Plenum Construction

CONDUCTOR: Solid Bare copper

INSULATION: Semi-rigid PVC

JACKET:

- Premium grade PVC
- Sequential footage markings

APPLICATION: Voice, Data

COMPLIANCES:

- ANSI/TIA/EIA 568B.2 (Category 3)
- ANSI/ICEA S-90-861 (Category 3)
- ANSI/TIA/EIA-568-B.2 (Category 5e)
- ICEA S-90-861 (Category 5e)
- ICEA S-102-700 (Category 6)
- UL & c(UL) Type CMR

PACKAGING:

- 1000 ft. (305m) pay-out cartons
- 1000 ft. (305m) spools or reels

Direct Burial Construction

CONDUCTOR: Solid Bare copper

INSULATION:

- Polyethylene
- Water Block Tape

JACKET: Low density polyethylene

APPLICATION: Direct burial, Outdoor

Plenum Construction

CONDUCTOR: Solid Bare copper

INSULATION: FEP

JACKET:

- Low smoke flame retardant PVC
- Sequential footage markings

APPLICATION: Voice, Data

COMPLIANCES:

- ANSI/TIA/EIA 568B.2 (Category 3)
- ANSI/ICEA S-90-861(Category 3)
- ANSI/TIA/EIA-568-B.2 (Category 5e)
- ICEA S-90-861(Category 5e)
- ICEA S-102-700 (Category 6)
- ANSI/TIA/EIA-568-B.2-1(Category 6)
- UL & c(UL) Type CMP

PACKAGING:

- 1000 ft. (305m) pay-out cartons
- 1000 ft. (305m) spools or reels

J-Hooks

Connect Air Part #	Mag Daddy Part #	Color	Description
WJH12MT	JH12MT	Silver	3/4" J-Hook Magnet on Top, 360° Rotation
WJH21MT	JH21MT	Silver	1-5/16" J-Hook Magnet on Top, 360° Rotation
WJH32MT	JH32MT	Silver	2" J-Hook Magnet on Top, 360° Rotation
WJH12MS	JH12MS	Silver	3/4" J-Hook Magnet on Side
WJH21MS	JH21MS	Silver	1-5/16" J-Hook Magnet on Side
WJH32MS	JH32MS	Silver	2" J-Hook Magnet on Side

Bridle Rings

WBRM75	BRM75	8	3/4" Magnetic Bridle Ring, UL Listed 40 lbs
WBRM4T125	BRM4T125	8	1-1/4" Magnetic Bridle Ring, UL Listed 75 lbs
WBRM4T200	BRM4T200	8	2" Magnetic Bridle Ring, UL Listed 60 lbs

Cable Ties

W62406	62406	White	Small Magnetic Cable Tie Mount, UL Listed 10 lbs
W62411	62411	Black	Small Magnetic Cable Tie Mount, UL Listed 10 lbs
W62416	62416	White	Large Magnetic Cable Tie Mount, UL Listed 15 lbs
W62417	62417	Black	Large Magnetic Cable Tie Mount, UL Listed 15 lbs
W62422	62422	Black	Magnetic Cable Tie Pipe Mount, 20 lbs
W62452	62452	Black	Magnetic Hook and Loop Mount, UL Listed 15 lbs
W62455	62455	Black	Mini Magnetic Cable Tie Mount, UL Listed 5 lbs

Cable Holders

W62450	62450	Black	1/2" Magnetic Cable Clamp, UL Listed 15 lbs
W62401	62401	White	1/2" Magnetic Cable Holder, UL Listed 10 lbs
W62409	62409	Black	1/2" Magnetic Cable Holder, UL Listed 10 lbs
W62413	62413	White	3/4" Magnetic Cable Holder, UL Listed 10 lbs
W62419	62419	Black	3/4" Magnetic Cable Holder, UL Listed 10 lbs
W62415	62415	White	1" Magnetic Cable Holder, UL Listed 15 lbs
W62421	62421	Black	1" Magnetic Cable Holder, UL Listed 15 lbs

Magnetic Mounts

WMM100	MM100	Silver	Magnetic Mounting Kit (3, 26 lbs magnets w/ 10-32 thread hardware)
WMM200	MM200	Silver	Magnetic Mounting Kit (3, 40 lbs magnets w/ 10-24 thread hardware)
WMM600	MM600	Silver	Magnetic Mounting Kit (3, 40 lbs magnets w/ 6-32 thread hardware)
WMAGTF	MAGTF	Silver	10-24 Thread Female Magnet Mount, 40 lbs
WMAG4TF	MAG4TF	Silver	1/4"-20 Female Threaded Magnet Mount, UL Listed 90 lbs
WMAGTF6	MAGTF6	Silver	6-32 Thread Female Magnet Mount, 40 lbs
W82000	82000	Silver	Round Magnet Mount, 16 lbs, 4.9mm Hole Size, 3/4" diameter cup
W82001	82001	Silver	Round Magnet Mount, 26 lbs, 5mm Hole Size, 1" diameter cup
W97602	97602	White	1/4" Magnetic Plate, Rated 26 lbs
W62499	62499	Silver	Cable Hanging Tool

Connect Air Part #	ACT Part #	Color	Material	Length Inch	Width Inch	Thickness Inch	Bundle Diameter Inch	Tensile Strength lb	Operating Temp. F Min./Max.	UL	CSA	Plenum Rating	Per Bag
W7302	AL-04-18-9-M	Natural	Nylon 66	4.12	0.09	0.04	0.87	18	-40 to 185	Type 21	Type 21	AH-2	1,000
W7303	AL-05-40-9-M	Natural	Nylon 66	5.84	0.14	0.04	1.43	40	-40 to 185	Type 21	Type 21	AH-2	1,000
W7304	AL-08-40-9-M	Natural	Nylon 66	8.87	0.14	0.04	2.37	40	-40 to 185	Type 21	Type 21	AH-2	1,000
W7304BLK	AL-08-40-0-M	UV Black	Nylon 66	8.87	0.14	0.04	2.37	40	-40 to 185	Type 21	Type 21	AH-2	1,000
W304C	AL-08-40-0-C	UV Black	Nylon 66	8.87	0.14	0.04	2.37	40	-40 to 185	Type 21	Type 21	AH-2	100
W7305	AL-07-50-9-M	Natural	Nylon 66	7.56	0.18	0.05	1.87	50	-40 to 185	Type 21S	Types 21S	AH-2	1,000
W7305BLK	AL-07-50-0-M	UV Black	Nylon 66	7.56	0.18	0.05	1.87	50	-40 to 185	Type 21S	Types 21S	AH-2	1,000
W7305CBLK	AL-07-50-0-C	UV Black	Nylon 66	7.56	0.18	0.05	1.87	50	-40 to 185	Type 21S	Types 21S	AH-2	100
W7305C	AL-07-50-9-C	Natural	Nylon 66	7.56	0.18	0.05	1.87	50	-40 to 185	Type 21S	Types 21S	AH-2	100
W7305CUL	AL-07-50-35-C	Burgundy	Nylon 66	7.56	0.18	0.05	1.87	50	-40 to 185	Type 21S	Type 21S	AH-2	100
W7306CUL	AL-11-50-35-C	Burgundy	Nylon 66	11.25	0.18	0.05	3.06	50	-40 to 185	Type 21S	Type 21S	AH-2	100
W7306D	AL-11-50-9-D	Natural	Nylon 66	11.25	0.18	0.05	3.06	50	-40 to 185	Type 21S	Type 21S	AH-2	500
W7307DBLK	AL-14-50-0-D	UV Black	Nylon 66	14.35	0.18	0.05	4	50	-40 to 185	Type 21S	Type 21S	AH-2	500



Part Number	MFG #'s	Hardware Description
Audio Systems:		
WAT406	AT-406	Set - 2 Handsets, White (AT-206, AT-306)
WAT306	AT-306	White Handset Sub For AT-406
WAT406B	AT-406B	Set - 2 Handsets, Charcoal Gray (AT-206B, AT-306B)
WC123L/A	C-123L/A	Chime Com Set, 1 Door, 1 Master
WC123LW	C-123LW	Dual Master Chime Com Set, 1 Door, 2 Masters, Incl. DAK-2S
WCML/A	C-ML/A	Master Station For C-123L/A, Incl. DAK-2S
WCCS-1A	CCS-1A	Chime Com 2 Set, 1 Door, 1 Master
WLEM-IDL	LEM-IDL	1-Call Surface Mount Master With Door Release
WLEM-1DLS	LEM-1DLS	Access Sentry Set (LEM-1DL, LE-D, PT-1210N)
WDBS1A	DBS-1A	DB Series 1 Door, 1 Master Kit (Kit Contains: DA-1DS, DB-1MD, PT-1211C)
WDB1SD	DB-1SD	Hands-Free Sub Master Station

Video Systems:		
WJKS1AD	JKS-1AD	Pantilt Zoom Hands-Free 1x2 Color Video Set (JK-1MD, JK-DA, PS-1820UL)
WJKS1ADF	JKS-1ADF	Pantilt Zoom Hands-Free 1x2 Color Video Set (JK-1MD, JK-DVF, PS-1820UL)
WJKS1ADV	JKS-1ADV	Pantilt Zoom Hands-Free 1x2 Color Video Set (JK-1MD, JK-DV, PS-1820UL)
WJKS1AED	JKS-1AED	Pantilt Zoom Hands-Free 1x2 Color Video Set w/Memory (JK-1MED, JK-DA, PS-1820UL)
WJKS1AEDF	JKS-1AEDF	Pantilt Zoom Hands-Free 1x2 Color Video Set w/Memory (JK-1MED, JK-DVF, PS-1820UL)
WJKS1AEDV	JKS-1AEDV	Pantilt Zoom Hands-Free 1x2 Color Video Set w/Memory (JK-1MED, JK-DV, PS-1820UL)
WJK1HD	JK-1HD	Hands-Free Video Sub Master For JK Series
WJFS2AED	JFS-2AED	Hands-Free 2x3 Color Video Standard Set (JF-2MED, JF-DA, PS-1820UL)
WJFS2AEDF	JFS-2AEDF	Hands-Free 2x3 Color Video Vandal Flush Set (JF-2MED, JF-DVF, PS-1820UL)
WJFS2AEDV	JFS-2AEDV	Hands-Free 2x3 Color Vid, Set Vandal (JF-2MED, JF-DV, PS-1820UL)
WJF2HD	JF-2HD	Hands-Free Sub Master For JF-2MED
WJFDA	JF-DA	JF Surface Mount Color Video Door Station
WJFDV	JF-DV	JF Surface Mount Color Vandal Door Station
WJFDVF	JF-DVF	JF Flush Mount Color Vandal Door Station - Stainless Steel
WAX084C	AX-084C	AX Series Central Exchange Unit (4 Master - 8 Door)
WAX248C	AX-248C	AX Series Central Exchange Unit (8 Master - 24 Door)
WAX8M	AX-8M	Audio Master Station
WAX8MV	AX-8MV	Audio/Video Master Station, Black
WAXDV	AX-DV	Surface Vandal Video Door Station
WAXDVF	AX-DVF	Flush Vandal Video Door Station, Stainless Steel Faceplate
WAXDM	AX-DM	Mullion Audio Door Station
WIFDA	IF-DA	Surface Mount Door Station, Brown Plastic
WIEJA	IE-JA	Flush Mount Door Station, Stainless Steel Cover
WIESS	IE-SS	FL MT 2-Gang Sub Station, Stainless Steel
WSBX2G	SBX-2G	2-Gang Stainless Steel Surface Mount Box

Power Supplies::		
WPS1225UL	PS-1225UL	12V DC Power Supply, 2.5A, UL
WPS1820UL	PS-1820UL	18V DC Power Supply, 2A UL
WPS2420UL	PS-2420UL	24V DC Power Supply, 2A UL
WPT-1210N	PT-1210N	12V AC Plug-In Transformer, 110V Input, UL
WPT1211C	PT-1211C	15V AC Plug-In Transformer, 110V Input, UL
WSKK620B	SKK-620B	6V DC Power Supply, 200MA, 110V Input, UL



Cobra X-Flex®

Power Supply Systems Cable

UL 1232, UL 1283, UL 1284, UL 1339, UL 10269



DESCRIPTION:

- This product is designed to meet or exceed test requirements called for by Underwriters Laboratories and the National Electric Code. It is recommended for use in accordance with UL and CSA for internal wiring of uninterruptible power supply equipment, UL Standard 1778. Cobra's X-FLEX® is also suitable for use in transformers, switchboard panels, controls, electronic circuits and meters. It can be used as battery cable, battery charger cable, motor lead, and power hookup cable. Approved for both the internal and external wiring of appliances.

INSULATION:

- This product offers a unique flame retardant polyvinyl chloride compound (VW-1), and is moisture, abrasion, acid, diesel fuel and oil resistant.

STRANDING:

- Class K 30 gauge bare copper. (Also available in tinned copper)

STANDARD:

- NEC Types: MTW & THW, UL AWM Styles: 1232-1283-1284-1337-1338-1339-10070-10269, BC-5W2 on 6 AWG to 4/0 AWG, TEW A/B FT-1 on 6 AWG to 4/0 AWG, AWM A/B FT-1 on 250 MCM to 750 MCM

VOLTAGE:

- 600/1000 Volts

TEMPERATURE:

- 105°C Dry, 75°C Wet

Cobra Part Number	Size AWG	Stranding	Insulation (in.)	Nom. O.D. (in.)	UL Style	AMPS*	Cable Weight (lbs/MFT)
A2006B	6	266 X 30	0.060	0.342	1232-1283-10269	118	136
A2004B	4	420 X 30	0.060	0.386	1232-1283-10269	157	189
A2002B	2	665 X 30	0.060	0.446	1232-1283-10269	213	292
A2001B	1	836 X 30	0.080	0.520	1232-1284-10269	246	350
A2110B	1/0	1064 X 30	0.080	0.575	1232-1284-10269	291	450
A2120B	2/0	1330 X 30	0.080	0.610	1232-1284-10269	336	551
A2130B	3/0	1672 X 27	0.080	0.685	1232-1284-10269	392	672
A2140B	4/0	2109 X 25	0.080	0.745	1232-1284-10269	454	820
AT250MB	250 MCM	2527 X 24	0.100	0.835	1284-1339-10269	510	962
A1350MB	350 MCM	3458 X 23	0.100	0.965	1284-1339-10269	638	1280
A1530MB	500 MCM	5054 X 25	0.100	1.130	1284-1339-10269	784	1868
A1600MB	600 MCM	5994 X 30	0.110	1.191	1284-1339-10269	847	2202
A1750MB	750 MCM	7448 X 30	0.115	1.380	1284-10269	951	2719

Cobra X-Flex® 150

Power Supply Systems Cable



DESCRIPTION:

- This product has a maximum rating of 150°C, 1000V. It is both UL and CSA approved with tin coated copper conductor. It is suitable for both the internal & external wiring of appliances, transformers, switchboards, generators and any other application where a flexible, high temperature VW-1 rating is required. This cable has a VW-1 flame test rating on sizes 6 gauge through 4/0. It is an excellent replacement for expensive silicone insulated cable or stiff SIS cable that is hard to work with.

INSULATION:

- Cobra's X-Flex 150® cable is insulated with a thermoset EPDM insulation that has excellent abrasion resistance, strippability, flexibility and dielectric strength. It is also RoHS compliant.

STRANDING:

- Class K flexible tinned copper

STANDARD:

- 3340/3374/3614

VOLTAGE:

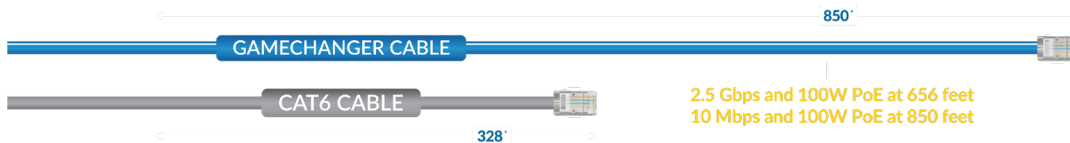
- 600/1000 Volts

TEMPERATURE:

- 150°C

Cobra Part Number	Size AWG	Stranding	Insulation (in.)	Nom. O.D. (in.)	UL Style	AMPS*	Cable Weight (lbs/MFT)
MX20101KV	20	10 X 30	0.045	0.129	3340-3374-3614	22	10
MX181161KV	18	16 X 30	0.045	0.140	3340-3374-3614	28	13
MX16261KV	16	26 X 30	0.045	0.150	3340-3374-3614	36	17
MX14411KV	14	41 X 30	0.045	0.170	3340-3374-3614	46	23
MX12651KV	12	65 X 30	0.045	0.191	3340-3374-3614	60	33
MX101051KV	10	105 X 30	0.045	0.220	3340-3374-3614	80	54
MX81331KV	8	133 X 29	0.060	0.290	3340-3374-3614	106	90
MX61331KV	6	133 X 27	0.060	0.340	3340-3374-3614	155	130
MX41331KV	4	133 X 25	0.060	0.396	3340-3374-3614	190	190
MX31331KV	3	133 X 24	0.060	0.430	3340-3374-3614	214	235
MX21331KV	2	133 X 23	0.060	0.461	3340-3374-3614	255	280
MX12591KV	1	259 X 25	0.080	0.547	3340-3374-3614	293	345
MX1001KV	1/0	1064 X 30	0.080	0.596	3340-3374-3614	339	425
MX2001KV	2/0	1330 X 30	0.080	0.645	3340-3374-3614	390	520
MX3001KV	3/0	1653 X 30	0.080	0.694	3340-3374-3614	451	635
MX4001KV	4/0	2107 X 30	0.080	0.766	3340-3374-3614	529	790

GameChanger® Cable



APPLICATION:

- GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet. GameChanger Cable can deliver 2.5Gbps and 100W. PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

CONNECTORS:

- GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work.

GameChanger Part Number	Size AWG	Conductor Count	Description
2583103--	22	8	This cable consists of 4 pair solid bare copper; color coded Polyolefin (PO) insulation; overall FR-PVC jacket.
2583003--	22	8	This cable consists of 4 pair solid bare copper; color-coded FEP insulation; overall LSFR-PVC jacket.
2584403--	22	8	This cable consists of 4 pair solid bare copper; color coded polyolefin insulation; overall FR-PVC jacket
2583705--	22	8	This cable consists of 4 pair solid bare copper; color-coded FEP insulation; inner and outer LSFR-PVC jacket with a aluminum/polyester tape shield with 26 AWG tinned copper drain wire in between the two jackets .
2585023--	22	8	This cable consists of 4 pair solid bare copper; color-coded PE insulation; overall LSZH-FRPE jacket. EN50575:2014 B2cas1a, d1,a1.
2589503--	22	8	This cable consists of 4 pair solid bare copper; color-coded FEP insulation; marking tape and overall FEP jacket.
258320804	22	8	This cable consists of 4 pair solid bare copper; color-coded polyolefin insulation; water-proof gel; overall OSP Direct Burial jacket.
258340804	22	8	This cable consists of 4 pair solid bare copper; color-coded polyolefin insulation; water-proof gel; inner and outer LSZH FR Polyolefin jacket with a aluminum/polyester tape shield with 24 AWG tinned copper drain wire in between the two jackets.
258880845	22	8	This cable consists of 4 pair solid bare copper; color-coded polyolefin insulation; water-proof gel; inner and outer LSZH-FR Polyolefin jacket with a aluminum/polyester tape shield with 24 AWG tinned copper drain wire in between the two jackets. An Aluminum Interlocked Armor surrounds the entire cable.
258802404	22	8	This cable consists of 4 pair solid bare copper; color-coded Fluorinated Ethylene Propylene (FEP) insulation; inner FEP and PVC jacket, Continuously Corrugated Welded (CCW) Armor and outer PVC jacket.

Electrical Properties Table

Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	24	1.5	90	87
10	31	4.8	75	72
20	32	7.0	64	61
100	26	16.1	50	47
200	24	23.2	48	45
250	21	26.1	47	44
350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

BELDEN TO CONNECT-AIR PART NUMBER

CROSS-REFERENCE

Belden Part Number	Connect-Air Part Number	Belden Part Number	Connect-Air Part Number	Belden Part Number	Connect-Air Part Number	Belden Part Number	Connect-Air Part Number
513945	WRG11-1712	5302UE	W184C-1037	5539Y5	WRG62-1704	6309UE	W1812C-2148
533945	WRG6-1713	5304FE	W186C-1046	6000FE	W121P-2144	6320FE	W181P-2252
539945	WRG6-1832	5304UE	W186C-1049	6000UE	W121P-2151	6320FK	W181P-2620
543945	WRG59-1721	5306FE	W188C-1068	6002UE	W124C-2271	6320FL	W181P-2601
549945	WRG59-1805	5306UE 1	W188C-1041	6020FL	W121P-2645	6320UE	W181P-2095
613948	WRG11-2705	5309UE	W1812C-1236	6020UL	W121P-2613	6320UJ	W181P-2622
633938	WRG6-2717	5320FE	W181P-1154	6100FE	W141P-2087	6320UL	W181P-2600
633948	WRG6-2709	5320FJ	W181P-1608	6100UE	W141P-2013	6322FL	W184C-2621
639948	WRG6-2832	5320FL	W181P-1603	6101FE	W143C-2219	6322UL	W184C-2607
643948	WRG59-2701	5320UE	W181P-1153	6102UE	W144C-2093	6324UL	W186C-2647
649948	WRG59-2805	5320UJ	W181P-1617	6120FL	W141P-2605	6342FE	W183P-2210
5000FE	W121P-1377	5320UL	W181P-1604	6120UJ	W141P-2646	6343FE	W184P-2286
5000UE	W121P-1058	5322FL	W184C-1605	6120UL	W141P-2611	6400FE	W201P-2057
5020FL	W121P-1653	5322UL	W184C-1602	6122FL	W144C-2642	6400UE	W201P-2053
5020UL	W121P-1624	5324UL	W186C-1654	6122UL	W144C-2640	6401FE	W203C-2173
5100FE	W141P-1219	5326UL	W188C-1667	6139B8	WRG11-2730	6401UE	W203C-2064
5100UE	W141P-1081	5339B5	WRG6-1708	6200FE	W161P-2084	6402FE	W204C-2124
5102UE	W144C-1109	5400FE	W201P-1069	6200UE	W161P-2062	6402UE	W204C-2065
5120FJ	W141P-1649	5400UE	W201P-1014	6201FE	W163C-2018	6439C8	WRG59-2713
5120FL	W141P-1600	5401FE	W203C-1019	6201UE	W163C-2008	6500FE	W221P-2044
5120UL	W141P-1607	5401UE	W203C-1076	6202FE	W164C-2155	6500UE	W221P-2005
5122FL	W144C-1650	5402FE	W204C-1207	6202UE	W164C-2102	6501FE	W223C-2144
5122UL	W144C-1651	5402UE	W204C-1129	6220FK	W161P-2634	6501UE	W223C-2036
5200FE	W161P-1010	5500FE	W221P-1001	6220FL	W161P-2602	6502FE	W224C-2020
5200UE	W161P-1031	5500UE	W221P-1052	6220UJ	W161P-2633	6502UE	W224C-2057
5201FE	W163C-1469	5501FE	W223C-1097	6220UL	W161P-2601	6504FE	W226C-2077
5201UE	W163C-1904	5501UE	W223C-1193	6222FL	W164C-2604	6504UE	W226C-2083
5202FE	W164C-1953	5502FE	W224C-1005	6222UL	W164C-2637	6506FE	W228C-2032
5202UE	W164C-1123	5502UE	W224C-1108	6300FE	W181P-2040	6506UE	W228C-2089
5220FJ	W161P-1609	5504FE	W226C-1042	6300UE	W181P-2051	6509UE	W2212C-2235
5220FL	W161P-1606	5504UE	W226C-1024	6301FE	W183C-2058	6520FE	W221P-2153
5220UJ	W161P-1647	5506FE	W228C-1252	6301UE	W183C-2052	6520UE	W221P-2159
5220UL	W161P-1601	5506UE	W228C-1906B	6302FE	W184C-2059	6522UE	W224C-2160
5222FL	W164C-1628	5508FE	W2210C-1451	6302UE	W184C-2099	6539Y8	WRG62-2702
5222UL	W164C-1614	5508UE	W2210C-1149	6304FE	W186C-2055	6541FE	W222P-2147
5300FE	W181P-1003	5509FE	W2212C-1198	6304UE	W186C-2054	6541UE	W222P-2198
5300UE	W181P-1002	5509UE	W2212C-1286	6306FE	W188C-2030	6542FE	W223P-2143
5301FE	W183C-1240	5520FE	W221P-1234	6306UE	W188C-2046	6543FE	W224P-2999
5301UE	W183C-1045	5520UE	W221P-1023	6308UE	W1810C-2078	6545FE	W226P-2096
5302FE	W184C-1051	5522UE	W224C-1057	6309FE	W1812C-2145		

This cross reference is intended as a guide only to represent functional equivalents. There may be some variance in construction and color codes. Please refer to your Sales Office for more specific information. Connect-Air assumes no responsibility for variances due to construction changes, industry or agency updates.

WEST PENN TO CONNECT-AIR PART NUMBER

CROSS-REFERENCE

West Penn Part Number	Connect-Air Part Number	West Penn Part Number	Connect-Air Part Number	West Penn Part Number	Connect-Air Part Number	West Penn Part Number	Connect-Air Part Number
220	W221P-1023	841	WRG6-1708	50231	W223C-2036	603164B	W161P-2604
221	W221P-1052	862	WRG58-1723	77293	W181P-1289	60700B	W144C-2640
222	W201P-1014	975	W181P-1603	82262	WRG62-2702	60975B	W181P-2601
224	W181P-1002	977	W184C-1605	252815	WRG59-2805	60977B	W184C-2621
225	W161P-1031	980	W181P-1604	252825	WRG59-2723	60980B	W181P-2600
226	W141P-1081	982	W184C-1602	25355B	W222P-2290	60982B	W184C-2607
227	W121P-1058	984	W186C-1654	254245	W244P-2175	60990B	W161P-2602
228	W181P-1153	986	W188C-1667	254245	W244P-2176	60991B	W161P-2601
231	W223C-1193	990	W161P-1601	254246	W244P-2274	60992B	W141P-2605
232	W203C-1076	991	W161P-1606	25186B	W186C-2054	60993B	W141P-2611
234	W183C-1045	992	W164C-1614	25221B	W221P-2005	60995B	W121P-2613
235	W163C-1904	993	W164C-1628	25222B	W201P-2053	AQ224	W181P-1679
241	W224C-1108	994	W141P-1607	25224B	W181P-2051	AQ225	W161P-1657
242	W204C-1129	995	W141P-1600	25225B	W161P-2062	AQ226	W141P-1663
244	W184C-1037	998	W121P-1624	25226B	W141P-2013	AQ244	W184C-1693
245	W164C-1123	999	W121P-1653	25227B	W121P-2151	AQ245	W164C-1672
246	W144C-1109	1100	WRG11-1711UL	25234B	W183C-2052	AQ293	W181P-1676
270	W226C-1024	2815	WRG59-1805	25241B	W224C-2057	AQ294	W161P-1661
271	W228C-1906B	3011	W204C-1207	25242B	W204C-2065	AQ295	W141P-1662
272	W2210C-1149	3021	W186C-1046	25244B	W184C-2099	D25510	W222P-2009
273	W2212C-1286	3241	W224C-1005	25270B	W226C-2083	D60975	W181P-2620
283	W1812C-1236	3244	W184C-1051	25271B	W228C-2089	D60990	W161P-2634
290	W221P-1234	3245	W164C-1953	25273B	W2212C-2186	D975	W181P-1608
291	W221P-1001	3270	W226C-1042	25284B	W161P-2084	D980	W181P-1617
292	W201P-1069	3271	W228C-1252	25290B	W221P-2153	D990	W161P-1647
293	W181P-1003	3272	W2210C-1451	25291B	W221P-2044	D991	W161P-1609
294	W161P-1010	3273	W2212C-1198	25292B	W201P-2057	D995	W141P-1649
295	W141P-1219	3283	W1812C-1966	25293B	W181P-2040	WP52995	W244P-1054
296	W121P-1377	4245	W244P-1446	25295B	W141P-2087	WP54854	W244P-2027
301	W223C-1097	4246	W244P-1914	25296B	W121P-2144	WP54980	W243P-2157
302	W203C-1019	5900	WRG59-1700	25301B	W223C-2144	WP54982	W244P-1071
303	W183C-1240	25235	W163C-2008	25303B	W183C-2058	WP54983	W243P-1027
304	W163C-1469	25440	W182P-2147	25510B	W222P-2009B		
700	W144C-1651	25441	W183P-2213	253186B	W186C-2055		
806	WRG6-1713	25806	WRG6-2709	253241B	W224C-2020		
811	WRG11-1712	25811	WRG11-2705	253244B	W184C-2059		
815	WRG59-1721	25815	WRG59-2701	253270B	W226C-2077		
816	WRG59-1729	25841	WRG6-2717	253271B	W228C-2032		
840	WRG59-1732	25862	WRG58-2711	60164B	60164B W164C-2637		

This cross reference is intended as a guide only to represent functional equivalents. There may be some variance in construction and color codes. Please refer to your Sales Office for more specific information. Connect-Air assumes no responsibility for variances due to construction changes, industry or agency updates.

WINDY CITY TO CONNECT-AIR PART NUMBER

CROSS-REFERENCE

Windy City Part Number	Connect-Air Part Number	Windy City Part Number	Connect-Air Part Number	Windy City Part Number	Connect-Air Part Number
001360	W161P-2062	003369	W201P-2053BLU	029001	W141P-1081
001361	W161P-2062WRDB	004301	W221P-1001BLK	042000	W241P-2000BLU
001380	W141P-2013	004302	W221P-1001WH	042000-110	W241P-2000 WITH BLACK JACKET
001381	W141P-2013BL	004303	W221P-1001RD	042002	W241P-2000F
001383	W141P-2013W/YSB	004304	W221P-1001G	042003	W242P-2108RIB
002320	W181P-2040	004305	W221P-1001BR	042005-S	W241P-2000FBPUR
002321	W181P-2040W/RS	004306	W221P-1001BL	042007	W241P-1073
002321-S	W181P-2040WRSRB	004307	W221P-1001OR	04210029	W241.5P-5400FLN
002322	W181P-2040W/BLS	004309	W221P-1001P	043006AL-S	W221P-2230FLGRN
002322-S	W181P-2040WBLRB	004310	W221P-1001PNK	052003	W181P-2028F
002323	W181P-2040Y	004311	W221P-1001TAN	052003	W181P-2028XRB
002323	W181P-2040W/YS	004320	W221P-2044	07960S	W141P-2013RIB
002324	W181P-2040OR	004321	W221P-2044W/RS	104500	W161P-2130SG
002324	W181P-2040W/OS	004322	W221P-2044W/BLS	105500	W221P-2001B
0023240-S	W181P-2040ORRB	004323	W221P-2044W/YSB	105530	W221P-2001YB
002324-S	W181P-2040WOSRB	004324	W221P-2044OR	105540	W221P-2001ORB
002325	W181P-2040P	004324	W221P-2044W/OS	105550	W221P-2001PB
002325	W181P-2040W/PS	004325	W221P-2044W/GS	105600	W222P-2003B
002326	W181P-2040G	004330	W223C-2144	106500	W221P-2002B
002326	W181P-2040W/GS	004339	W223C-2144BLB	106500	W222P-2002B
002328	W181P-2040PNK	004340	W224C-2020	106502	W221P-2002OR
002329	W181P-2040BL	004342	W224C-2020BLU	106504	W221P-2002PB
002330	W183C-2058	004342	W224C-2020W/BLS	106600	W222P-2005B
002333	W183C-2058W/YS	004344	W224C-2020OR	107500	W221P-1002B
002333	W183C-2058Y	004344	W224C-2020W/OS	107600	W221P-1003B
002335	W183C-2058W/PS	0043530	W226C-2077YB	108500	W222P-1004
0023350	W183C-2058PRB	004354	W226C-2077OR	108600	W222P-1005
002339	W183C-2058BL	004360	W221P-2005	108762	W181P-1060BL
002340	W184C-2059	004364	W221P-2005WORB	108763	W181P-1060YEL
002342	W184C-2059W/BLS	004370	W223C-2144	108764	W181P-1060OR
002344	W184C-2059W/OS	004379	W223C-2144BLB	109500	W161P-2130
002346	W184C-2059GB	004380	W224C-2057	109600	W161P-2062GRY
002351	W186C-2055	4386	W224C-2057 with green stripe	14400	W186C-1046
002351-09	W186C-2055BL	4392	W228C-2089	14500	W188C-1068
002352	W188C-2030	004391	W226C-2077	150100	W222P-2009B
002360	W181P-2051	0079630-S	W141P-2013YEL	415110-OSDP	W22P-2140RIB
002360-S	W181P-2051RIB	014002	W183C-1240	4180224PLNLM	W24182P-2306BL
002361	W181P-2051W/RS	014003	W184C-1051	441320BR	W161P-2084B/R
002362	W181P-2051W/BLS	014004	W186C-1046	442320BR	W181P-2040B/RRB
002363	W181P-2051W/YS	014100	W181P-1003	442352	W228C-2032
002363-S	W181P-2040WYSRB	014100	W181P-1003BSRB	442380	W184C-2099RIB
002364	W181P-2051W/OS	014200	W183C-1240	442382	W184C-2099WBLRB
0023650-S	W181P-2051PRB	014300	W184C-1051	442384	W184C-2099WOSB
002366	W181P-2051W/GS	014400	W186C-1046	444340	W224C-2020RIB
0023660	W181P-2051G	014500	W188C-1068	444351	W226C-2077RIB
002367	W181P-2051W/BRS	014600	W181P-1003WSRB	444351-03	W226C-2077YSRB
002369	W181P-2051BL	015001	W201P-1069	444362	W221P-2005WBLRB
002370	W183C-2052	015002	W203C-1019	444366GW	W221P-2005WGRB
0023750-S	W183C-2052PRB	016001	W221P-1001	444381	W224C-2057WRDB
002376	W183C-2052W/GS	016002	W223C-1097	444382	W224C-2057WBLB
002376-S	W183C-2052W/GSB	016003	W224C-1005	444383	W224C-2057WYRB
002377	W183C-2052W/PKSB	016100	W221P-1271	444386	W224C-2057WGRB
0023780	W183C-2052G	016101	W221P-1271RDB	444389	W224C-2057BLRB
002379	W183C-2052BL	016103	W221P-1271YLB	445600	W244P-2027
002380	W184C-2099	016104	W221P-1271ORB	4461030	WSECCOMP-2825
002382	W184C-2099W/BLS	016109	W221P-1271BLB	484380-AL-S	W224C-2160RIB
002384	W184C-2099W/OS	016400	W224C-1005B	510007	W188C-2092
002389	W184C-2099BL	025001	W221P-1052	520034	W181P-2028XOR
002390	W186C-2054	025002	W223C-1193	555600	W244P-2176B
002399	W186C-2054BL	026001	W201P-1014	555610	W244P-2176B
003320	W201P-2057	0260010	W201P-1014BL	556600-S	W244P-2274WH
003322	W201P-2057WBL	027001	W181P-1002	600010	WRG62-2702
003329LG	W201P-2057BL	0270012	W181P-1002W/BS	600013	WRG6-1704
003330	W203C-2173	0270014	W181P-1002W/OS	606211	WRG6-2709
003360	W201P-2053	0270016	W181P-1002W/GS	659216	WRG59-2805WH
003364	W201P-2053W/OSB	027003	W184C-1037	665600	W244P-1446BL
		028001	W161P-1031	761360	W161P-2601

CONNECT-AIR VENDOR PARTNERS

Vendor partners are subject to change.



*Vendor Partners are subject to change



CONNECT^{AIR}
WIRE & CABLE FROM GCG



LOCATIONS



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Auburn, WA 98001

Cerritos, CA

16110 Manning Way
Cerritos, CA 90703

Columbus, NE

1679 E 29th Avenue
Columbus, NE 68601

Spartanburg, SC

370 Old Spartanburg
Highway
Wellford, SC 29385

Tempe, AZ

7333 S Hardy Drive
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