



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Master Catalog



**AlphaWire**

*Cables you trust. Service you deserve.*



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# Make Alpha Wire Your First Choice for Reliable Performance



**N**o matter how demanding the application or environment, you want a cable with the performance and reliability to put your mind at ease. For more than 85 years, Alpha Wire has engineered wire and cable that excel in taming tough applications. From the harsh environment of a factory floor to critical controls on an offshore oil rig, Alpha Wire products work reliably day-in and day-out.

## The industry-leading brands you trust

Today's engineers count on Alpha's industry-leading branded products for virtually every application. From telecommunications and factory automation, to medical equipment and wind turbines, you can count on Alpha Wire cable, wire, tubing, and accessories to work the first time, every time.

Whether it's a standard cable solution or a one-of-a-kind specialized design, Alpha's branded products offer decades of proven performance, superior construction, and manufacturing excellence.

## Proven in the real world

We design and manufacture every cable to meet the critical demands of real-world applications. Using premium materials, advanced manufacturing, and world-class quality control, we manufacture every cable knowing its operation is critical to an application's success.

## Built to last

Every inch of our cable is given the exact same attention to detail, so you get a cable that goes the distance. With Alpha Wire, you know you're getting wire, cable, and heat-shrink tubing with uniform construction and consistent performance characteristics.

# Cable Finder Guide

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## 32 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	C&C, Hi-Fi Stereo	PVC	—	200	1101	3 - 4	368

## 30 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Braid	Audio/Video	PE	PVC	300	M3601	1	157
Unshielded	C&C, Hi-Fi Stereo	PVC	—	200	1101	2 - 3	368
Unshielded	Flat Cable, 0.025" CL	PVC	—	150	3582	26 - 60	374

## 28 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Flat Cable, 0.050" CL	PVC	—	300	3580	9 - 64	371
	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86002	2 - 25	115
	Xtra-Guard 1	PVC	PVC	300	5920	2 - 8	32
Foil, Overall	Flat Cable, 0.050 CL, Jacketed	PVC	PVC	150	3590	10 - 26	373
	Xtra-Guard 1	PVC	PVC	300	5926	2 - 8	38
Braid	C&C	PVC	PVC	600	3302	2 - 20	320
	C&C, Miniature Shielded	PVC	PVC	200	1120	2 - 4	365
	Control	PVC	PVC	600	M1411	1 - 12	188
Foil + Braid	C&C	SR-PVC	PVC	300	3463	3 - 50	336
	C&C	FPP	PVC	300	3483	3 - 25	337
	Computer	SR-PVC	PVC	300	M2403	3 - 50	224
	Flat Cable, 0.050" CL, Round to Flat	PVC	PVC	300	3585	25 - 50	372
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5932	2 - 8	44
Foil, Overall/Spiral or Foil/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86002CY	2 - 25	116
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Foil, Overall	Xtra-Guard 1	PVC	PVC	300	5938	2 - 6	52
	C&C	SR-PVC	PVC	300	3472C	2 - 25	350
Foil + Braid	C&C, Low Cap.	PE	PVC	300	6390	2 - 31	352
	C&C, Low Cap.	FPP	PVC	300	3492C	2 - 25	354
	Computer	FPP	PVC	300	M2487	2 - 25	234
	Computer, Low Cap.	PE	PVC	300	M3970	2 - 31	236
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5943	2 - 6	54
Foil, Overall/Spiral or Foil/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86401CY	1 - 14	117

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## 26 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Silver Satin Telephone	PP	PVC	150	1604	4 - 8	369
	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86102	2 - 25	115
	Xtra-Guard 1	PVC	PVC	300	5666	2 - 15	32
Foil, Overall	Xtra-Guard 1	PVC	PVC	300	5674	2 - 15	38
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86102CY	2 - 25	116
Braid	C&C	PVC/Nylon	PVC	600	3200	1 - 4	321
	Control	PVC	PVC	600	M1421	1 - 3	188
	High Temperature	PTFE	PTFE	600	M1201	1 - 4	258
Spiral	C&C, Microphone	PE	PVC	1000	1702	1	327
	Microphone	PE	PVC	1000	M3633	1	157
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5682	2 - 15	44
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Foil, Overall	Xtra-Guard 1	PVC	PVC	300	5690	2 - 6	52
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86501CY	1 - 14	117
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5695	2 - 6	54

## 25 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Braid	C&C, Audio	PE	PVC	600	1772	4	328
Foil, Overall and Ind. Pair	C&C	PE	PVC	400	2468	2 + 1 pr	349

## 24 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	SR-PVC	PVC	300	M38902	2 - 50	161
	C&C	IRR PVC	PVC	300	6622	2 - 4	312
	Computer	SR-PVC	PVC	300	882402	2 - 6	218
	Computer	SR-PVC	PVC	300	M4501	7 - 37	219
	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86202	2 - 25	115
	Xtra-Guard Torsional Flex	TPE	PUR	600	87003	3 - 7	119
	Xtra-Guard 1	PVC	PVC	300	5012C	2 - 50	32
	Xtra-Guard 1	PVC	PVC	300	5201	2 - 37	35
	Xtra-Guard 2	PVC	PUR	300	25012	2 - 25	58
	Xtra-Guard 4	TPE	TPE	300	45012	2 - 25	80
	Xtra-Guard 5	FEP	FEP	300	55012	2 - 12	95
Foil, Overall	Audio/Video	PE	PVC	300	M3222	2 - 4	152
	Audio/Video	PE	PVC	300	M13222	2	166
	Audio/Video	SP-PVC	PVC	300	M39024	3 - 50	166
	Audio/Video	PP	PVC	300	M14328	2	170
	C&C	PE	PVC	300	2400C	2	314
	C&C	PVC	PVC	300	1212C	2 - 50	317
	C&C	SR-PVC	PVC	300	6300/3	3 - 50	318
	C&C, Plenum	PVC	PVC	300	58401	2 - 25	363

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## 24 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Foil, Overall	Computer	PVC	PVC	300	1012405	5 - 9	222
	Computer	SR-PVC	PVC	300	M4602	2 - 50	223
	Plenum	PVC	PVC	300	M244837	2 - 4	179
	Plenum	FEP	FEP	300	M64837	2 - 15	182
	Plenum	FEP	PVC	300			
	Security/Data	PVC	PVC	300	M239023	2 - 4	175
	Xtra-Guard 1	PVC	PVC	300	5092C	2 - 70	38
	Xtra-Guard 1	PVC	PVC	300	5399	3 - 27	41
	Xtra-Guard 2	PVC	PUR	300	25092	2 - 25	61
	Xtra-Guard 3	PVC	PE	300	35491	1 - 4	77
	Xtra-Guard 4	TPE	TPE	300	45092	2 - 25	83
	Xtra-Guard 5	FEP	FEP	300	55092	2 - 12	97
	Braid	Audio/Video	PE	PVC	300	M1102	2 - 6
C&C		PVC/Nylon	PVC	600	3210	1 - 4	321
C&C		IRR PVC	PVC	600	7622	2 - 4	325
C&C		PTFE	FEP	600	2831	1 - 3	331
C&C		TFE	Fiberglass	600	2811	1 - 7	332
C&C		PTFE	PTFE	600	2821	1 - 6	334
C&C, Microphone		PE	PVC	3500	1703	1	327
Control		PVC	PVC	600	M1431	1 - 3	188
High Temperature		PTFE	PTFE	600	24RC2S06	2 - 4	256
High Temperature		ETFE	ETFE	600	275002402	2	257
High Temperature		PTFE	PTFE	600	M1211	1 - 4	258
High Temperature		PTFE	FEP	600	72402	2	260
Microphone		PE	PVC	3500	M3605	1	157
Foil + Braid	C&C	SR-PVC	PVC	300	6327	3 - 50	335
	C&C, Low Cap.	FPE	PVC	300	6351	3 - 37	339
	Computer, Low Cap.	FPE	PVC	300	M2456	3 - 37	228
	Computer	SR-PVC	PVC	300	M2438	3 - 50	225
	Computer	SR-PVC	PVC	300	M5500	5 - 60	227
Spiral	C&C, Microphone	PE	PVC	1000	1705	1	327
	Xtra-Guard Torsional Flex	TPE	PUR	600	87003CY	3 - 7	121
Supra-Shield Foil + Braid	Microphone	PE	PVC	1000	M3635	1	157
	Xtra-Guard 1	PVC	PVC	300	5112C	2 - 50	44
	Xtra-Guard 1	PVC	PVC	300	5300C	5 - 48	47
	Xtra-Guard 2	PVC	PUR	300	25112	2 - 50	64
	Xtra-Guard 4	TPE	TPE	300	45112	2 - 25	86
	Xtra-Guard 5	FEP	FEP	300	55112	2 - 12	99
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86202CY	2 - 25	116
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Unshielded	Xtra-Guard 1	PVC	PVC	300	5261C	1 - 77	50
	C&C	LSZH	LSZH	300	5471L	1 - 10	307
Foil, Overall	C&C	SR-PVC	PVC	300	5471	1 - 50	341
	C&C, Low Cap.	HDPE	PVC	300	6083C	3 - 4	345
	C&C, Low Cap.	PE	PVC	300	6301	6 - 12.5	346
	C&C, Low Cap.	FPP	PVC	300	6202C	2 - 25	347
	Computer, Low Cap.	FPP	PVC	300	M39249	2 - 27	233

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## 24 AWG

Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Foil, Overall	C&C, Low Cap., Plenum	FEP	PVDF	150	58902	2 - 12.5	366
	C&C, Mid Cap., Plenum	FEP	PVDF	150	58802	2 - 12.5	366
	C&C, Plenum	PVC	PVC	300/150	57602	2 - 6	365
	Computer	SR-PVC	PVC	300	M13190	1 - 50	231
	Plenum	FEP	FEP	300	M613190	1 - 5	186
	Plenum	FEP	PVC	300	M52893	1 - 12.5	185
	Security/Data	PVC	PVC	300	M213191	2 - 4	178
	Xtra-Guard 1	PVC	PVC	300	5491C	1 - 27	52
	Xtra-Guard 2	PVC	PUR	300	25491	1 - 27	67
	Xtra-Guard 4	TPE	TPE	300	45491	1 - 27	90
	Xtra-Guard 5	FEP	FEP	300	55491	1 - 11	102
Foil, Ind. Pairs	C&C, Low Cap., Plenum	FEP	PVDF	150	58602	2 - 4	366
	C&C	PE	PVC	300	6385	3 - 25	360
	C&C	FPP	PVC	300	6073C	3 - 27	370
	Plenum	FEP	PVDF	300	M42891	2 - 18	187
Foil + Braid	C&C	SR-PVC	PVC	300	6362	2 - 25	351
	C&C, Low Cap.	PE	PVC	300	6401	2 - 25	353
	C&C, Low Cap.	FPP	PVC	300	6222C	2 - 25	355
	Computer	SR-PVC	PVC	300	M3446	2 - 15	237
	Computer	SR-PVC	PVC	300	M5650	5 - 37	232
	Computer	FPP	PVC	300	M3420	2 - 25	234
	Computer, Low Cap.	FPP	PVC	300	M3475	2 - 25	235
	Computer, Low Cap.	PE	PVC	300	M3993	1 - 25	236
Foil + Braid, Foil on Ind. Pairs	C&C, Low Cap.	FPE	PVC	300	6316	2 - 25	362
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5271C	1 - 51	54
	Xtra-Guard 1	PVC	PVC	300	5330C	5 - 37	56
	Xtra-Guard 2	PVC	PUR	300	25271	1 - 19	69
	Xtra-Guard 3	PVC	PE	300	35272	2	78
	Xtra-Guard 4	TPE	TPE	300	45271	1 - 19	92
	Xtra-Guard 5	FEP	FEP	300	55271	1 - 12	103
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86601CY	1 - 14	118

## 24 + 22 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded + Foil	Audio/Video	PVC/PE	PVC	300	M14477	6 - 10	172

## 23 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Braid	C&C, Audio	PE	PVC	600	1771	2	328

## 22 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13302	2 - 50	143
	Audio/Video	SR-PVC	PVC	300	M33302	2 - 60	161
	C&C	LSZH	LSZH	300	1172L	2 - 10	306
	C&C	PVC	PVC	300	1172C	2 - 60	308
	C&C	IRR PVC	PVC	300	6632	2 - 4	312
	Computer	SR-PVC	PVC	300	882202	2 - 60	218
	Computer	SR-PVC	PVC	300	M4508	2 - 37	219
	Control	PVC	PVC	300	M39071	2 - 3	199



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Multiconductor								
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page	
Unshielded	Security/Data	PVC	PVC	300	M213302	2 - 8	174	
	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86302	2 - 25	115	
	Xtra-Guard Torsional Flex	TPE	PUR	600	87103	3 - 7	119	
	Xtra-Guard 1	PVC	PVC	300	5002C	2 - 60	33	
	Xtra-Guard 1	PVC	PVC	300	5210	2 - 37	35	
	Xtra-Guard 1	PVC	PVC	600	5402	2 - 19	36	
	Xtra-Guard 2	PVC	PUR	300	25002	2 - 25	58	
	Xtra-Guard 3	PVC	PE	300	35002	2 - 15	72	
	Xtra-Guard 4	TPE	TPE	300	45002	2 - 25	80	
	Xtra-Guard 5	FEP	FEP	300	55002	2 - 12	95	
Foil, Overall	Audio/Video	PE	PVC	300	M3226	2 - 4	152	
	Audio/Video	PE	PVC	300	M13226	2 - 3	166	
	Audio/Video	PVC	PVC	300	M13229	2	167	
	Audio/Video	PP	PVC	300	M4325	2	170	
	C&C	PE	PVC	300	2401C	2 - 4	314	
	C&C	PP	PVC	300	2460C	2 - 4	316	
	C&C	PVC	PVC	300	1292C	2 - 50	317	
	C&C, Plenum	PVC	PVC	300	58113	3 - 25	363	
	Computer	SR-PVC	PVC	300	M4633	2 - 50	223	
	Control	PVC	PVC	300	M39113	2 - 3	202	
	Plenum	PVC	PVC	300	M244800	2 - 10	179	
	Plenum	FEP	PVDF	300	M413226	2	181	
	Plenum	FEP	FEP	300	M64800	2 - 15	182, 183	
	Security/Data	PVC	PVC	300	M113226	2 - 3	175	
	Xtra-Guard 1	PVC	PVC	300	5192C	2 - 70	39	
	Xtra-Guard 1	PVC	PVC	300	5580	2 - 37	41	
	Xtra-Guard 1	PVC	PVC	600	5410	2 - 12	42	
	Xtra-Guard 2	PVC	PUR	300	25192	2 - 50	61	
	Xtra-Guard 3	PVC	PE	300	35192	2 - 60	73	
Xtra-Guard 4	TPE	TPE	300	45192	2 - 25	83		
Xtra-Guard 5	FEP	FEP	300	55192	2 - 12	97		
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86302CY	2 - 25	116	
Braid	Audio/Video	PE	PVC	300	M1112	2 - 8	146	
	Audio/Video	PVC	PVC	300	M3202	2 - 4	164	
	C&C	PVC/Nylon	PVC	600	3220	1 - 8	321	
	C&C	PVC	PVC	300	1735	1 - 4	323	
	C&C	IRR PVC	PVC	600	7631	2 - 4	325	
	C&C	PTFE	FEP	600	2834	1 - 3	331	
	C&C	TFE	Fiberglass	600	2814/2	2 - 6	332	
	C&C	PTFE	PTFE	600	2824	1 - 6	334	
	C&C, Microphone	PE	PVC	1000	1710	2	327	
	Control	PVC	PVC	600	M1441	1 - 10	189	
	High Temperature	PTFE	PTFE	600	22RC2S06	2 - 4	256	
	High Temperature	ETFE	ETFE	600	275002201	1 - 4	257	
	High Temperature	PTFE	PTFE	600	M1221	1 - 4	258	
	High Temperature	PTFE	FEP	600	72203	3	259	
	Microphone	PVC	PVC	300	M14461	2	158	
	Foil + Braid	C&C	SR-PVC	PVC	300	6339	3 - 50	338
		Computer	SR-PVC	PVC	300	M2473	3 - 50	226
Computer		SR-PVC	PVC	300	M5509	5 - 60	227	

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## 22 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Spiral	C&C	PVC	PVC	300	2254	1 - 6	319
	Xtra-Guard Torsional Flex	TPE	PUR	600	87103CY	3 - 7	121
	Audio/Video	PVC	PVC	300	M3261	1 - 6	162
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	600	5504	4 - 12	48
	Xtra-Guard 2	PVC	PUR	300	25102	2 - 50	64
	Xtra-Guard 3	PVC	PE	300	35102	2 - 15	76
	Xtra-Guard 4	TPE	TPE	300	45102	2 - 25	86
	Xtra-Guard 5	FEP	FEP	300	55102	2 - 12	99
Unshielded + Braid	C&C	PVC	PVC	300	1243	3 - 5	313
Unshielded/Foil	Audio/Video	PVC	PVC	300	M4475	3 - 4	171
Unshielded/Foil	Audio/Video	PP	PVC	300	M14474	2	171
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Unshielded	Audio/Video	PVC	PVC	300	M13001	1 - 27	150, 151
	C&C	PVC	PVC	300	1300C	1 - 27	340
	Security/Data	PVC	PVC	300	M2210	2 - 4	176
	Xtra-Guard 1	PVC	PVC	300	5021C	1 - 15	50
	Xtra-Guard 5	FEP	FEP	300	55201	1 - 12	101
Foil, Overall	C&C	PVC	PVC	300	5902C	2 - 19	342
	C&C	PVC	PVC	150	2211C	1 - 27	343
	C&C	PVC	PVC	300	6417	1 - 51	344
	C&C	FPP	PVC	300	6072C	2	370
	C&C, Low Cap.	FPP	PVC	300	6212C	2 - 25	347
	Computer	SR-PVC	PVC	300	M4779	1 - 27	231
	Computer	PVC	PVC	300	M3191	51, 102	230
	Computer	PP	PVC	300	M3190	38	231
	Control	PVC	PVC	300	M39130	2 - 51	201
	Fieldbus, High-Speed	FPO	PVC	300	6461	1	300
	Fieldbus, Type B	PO	PVC	300	6460	1	299
	Instrumentation	PVC	PVC	300	5610B2201	1	204
	Instrumentation	PVC	PVC	300	5640B2201	1	210
	Security/Data	PVC	PVC	300	M213222	2 - 4	178
	Xtra-Guard 1	PVC	PVC	300	5481C	1 - 27	53
	Xtra-Guard 2	PVC	PUR	300	25481	1 - 19	67
	Xtra-Guard 3	PVC	PE	300	35481	1 - 5	77
	Xtra-Guard 4	TPE	TPE	300	45481	1 - 15	90
	Xtra-Guard 5	FEP	FEP	300	55481	1 - 12	102
	Foil, Ind. Pairs	Audio/Video	PP	PVC	300	M39039	6 - 15
C&C		LSZH	LSZH	300	2466L	2 - 12	307
C&C		PVC	PVC	300	6052C	2 - 27	356
C&C		PP	PVC	300	6010C	3 - 27	357
C&C		PVC	PVC	300	6434	2 - 51	358
Control		PVC	PVC	300	M39147	2 - 51	200
Plenum		PVC	PVC	300	M24473	2 - 6	184
Security/Data		PVC	PVC	300	M213102	2 - 6	177
Foil, Overall and Pairs	C&C, Mid Cap., Plenum	FEP	PVDF	150	58612	2 - 6	367
Foil, Overall/Spiral or Foil, Overall/Braid	Xtra-Guard Continuous Flex, Data	PVC	PVC	300	86701CY	1 - 14	118
	C&C	SR-PVC	PVC	300	6373	2 - 25	351
Foil + Braid	Computer	SR-PVC	PVC	300	M5660	5 - 37	232
	Computer	SR-PVC	PVC	300	M3433	2 - 25	237
	PROFIBUS-DP	HDPE	PVC	300	6462	1	301
	RS-485	HDPE	PVC	600	6453	1 - 4	302

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## 22 AWG

Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5121C	1 - 27	55
	Xtra-Guard 1	PVC	PVC	300	5340C	2 - 37	56
	Xtra-Guard 2	PVC	PUR	300	25121	1 - 15	69
	Xtra-Guard 3	PVC	PE	300	35121	1 - 9	78
	Xtra-Guard 4	TPE	TPE	300	45121	1 - 19	92
	Xtra-Guard 5	FEP	FEP	300	55121	1 - 12	103

## 22 AWG

Triads							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Foil	Instrumentation	PVC	PVC	300	5640B2201	1	210

## 22 AWG + 18 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M4406	6	173
Unshielded	C&C	PVC	PVC	300	1826C	6 - 8	313

## 20 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13404	2 - 15	143
	Audio/Video	PVC	PVC	300	M33402	2 - 19	159
	C&C	LSZH	LSZH	300	1895L	2 - 6	306
	C&C	PVC	PVC	300	1895C	2 - 15	309
	C&C	IRR PVC	PVC	300	6642	2 - 4	312
	Computer	PVC	PVC	300	882002	2 - 15	216
	Computer	SR-PVC	PVC	300	M4517	2 - 37	219
	Control	PVC	PVC	300	M39073	2 - 3	199
	Security/Data	PVC	PVC	300	M213402	2 - 4	174
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85003	3 - 34	111
	Xtra-Guard Standard Flex	PVC	PVC	600	65002	2 - 25	106
	Xtra-Guard Torsional Flex	TPE	PUR	600	87203	3 - 7	121
	Xtra-Guard 1	PVC	PVC	300	5052C	2 - 50	33
	Xtra-Guard 1	PVC	PVC	300	5220	2 - 37	35
	Xtra-Guard 1	PVC	PVC	600	5413	2 - 25	36
	Xtra-Guard 2	PVC	PUR	300	25052	2 - 70	58
	Xtra-Guard 3	PVC	PE	300	35052	2 - 15	72
	Xtra-Guard 4	TPE	TPE	300	45052	2 - 15	80
	Xtra-Guard 5	FEP	FEP	300	55052	2 - 12	95
	Foil, Overall	Audio/Video	PP	HDPE	300	M39047	2 - 15
Audio/Video		PE	PVC	300	M3232	2 - 4	152
Audio/Video		PE	PVC	300	M13232	2 - 3	167
Audio/Video		PVC	PVC	300	M14429	2	169
C&C		PE	PVC	300	2411C	2 - 4	314
C&C		PE	PVC	300	1243/3C	3	316
C&C		PVC	PVC	300	2465C	4	316
C&C, Plenum		PVC	PVC	300	58421	2 - 6	363
Computer		PVC	PVC	300	M4660	2 - 50	220
Control		PVC	PVC	300	M39115	2 - 3	202

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## 20 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Foil, Overall	Plenum	PVC	PVC	300	M244816	2 - 4	179
	Plenum	FEP	FEP	300	M64816	2 - 10	183
	Security/Data	PVC	PVC	300	M113232	2 - 3	175
	Xtra-Guard 1	PVC	PVC	300	5462C	2 - 50	39
	Xtra-Guard 1	PVC	PVC	300	5560	2 - 19	41
	Xtra-Guard 1	PVC	PVC	600	5420	2 - 12	42
	Xtra-Guard 2	PVC	PUR	300	25462	2 - 50	61
	Xtra-Guard 3	PVC	PE	300	35462	2 - 25	73
	Xtra-Guard 4	TPE	TPE	300	45462	2 - 40	83
	Xtra-Guard 5	FEP	FEP	300	55462	2 - 12	97
Braid	Audio/Video	PE	PVC	300	M1122	2 - 20	146
	Audio/Video	PVC	PVC	300	M3206	2 - 12	164
	C&C	PVC/Nylon	PVC	600	3230	10 4	322
	C&C	PVC	PVC	300	1741C	2 - 4	323
	C&C	IRR PVC	PVC	600	7661	2 - 4	325
	C&C	PE	PVC	600	1712	2 - 20	329
	C&C	PTFE	FEP	600	2837/2	2 - 3	331
	C&C	TFE	Fiberglass	600	2817/2	2 - 6	332
	C&C	PTFE	PTFE	600	2827	1 - 6	334
	C&C, Microphone	PE	PVC	4000/1000	1706	1 - 2	327
	Control	PVC	PVC	600	M1451	1 - 4	189
	High Temperature	PTFE	PTFE	600	20RC2S06	2 - 4	256
	High Temperature	ETFE	ETFE	600	275002001	1 - 4	257
	High Temperature	PTFE	PTFE	600	M1231	1 - 4	258
	High Temperature	PTFE	FEP	600	72001	1	260
	Microphone	PE	PVC	4000	M3611	1	157
	Xtra-Guard Standard Flex	PVC	PVC	600	65003CY	3 - 25	109
Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85003CY	3 - 25	113	
Foil + Braid	Computer	SR-PVC	PVC	300	M5518	5 - 60	227
	Computer	PVC	PVC	300	M5360	2 - 50	229
Spiral	C&C	PVC	PVC	300	2256	1 - 6	319
	Xtra-Guard Torsional Flex	TPE	PUR	600	87203CY	3 - 7	121
	Audio/Video	PVC	PVC	300	M3271	1 - 6	162
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5152C	2 - 60	45
	Xtra-Guard 1	PVC	PVC	300	5320	4 - 37	47
	Xtra-Guard 1	PVC	PVC	600	5514	4 - 19	48
	Xtra-Guard 2	PVC	PUR	300	25152	2 - 50	64
	Xtra-Guard 3	PVC	PE	300	35152	2 - 15	76
	Xtra-Guard 4	TPE	TPE	300	45152	2 - 25	86
	Xtra-Guard 5	FEP	FEP	300	55152	2 - 12	99
Unshielded/Foil	Audio/Video	PVC	PVC	300	M4452	4	171



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## 20 AWG

Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Unshielded	Audio/Video	PVC	PVC	300	M13063	3 - 15	151
	C&C	PVC	PVC	300	1317C	2 - 19	340
	Instrumentation	PVC	PVC	300	M9500010	1	203
	Security/Data	PVC	PVC	300	M2222	2 - 6	176
	Xtra-Guard 1	PVC	PVC	300	5282C	2 - 12	51
Foil, Overall	C&C	SR-PVC	PVC	300	6416	2	341
	C&C, Plenum	PVC	PVC	300/150	57632	2 - 6	362
	Computer	PVC	PVC	300	M4785	2 - 19	230
	Instrumentation	PVC	PVC	300	M9520010	1	204
	Instrumentation	PVC/Nylon	PVC	600	5616B2001	1	205
	Security/Data	PVC	PVC	300	M213202	2 - 6	178
	Xtra-Guard 1	PVC	PVC	300	5452C	2 - 19	53
	Xtra-Guard 2	PVC	PUR	300	25452	2 - 15	68
	Xtra-Guard 3	PVC	PE	300	35452	2 - 3	77
	Xtra-Guard 4	TPE	TPE	300	45451	1 - 27	91
Xtra-Guard 5	FEP	FEP	300	55451	1 - 12	102	
Foil, Ind. Pairs	Audio/Video	PP	HDPE	350	M39051	3 - 6	149
	Audio/Video	SR-PVC	PVC	300	M13142	2	154
	Audio/Video	PE	PVC	300	M13143	3 - 15	155
	Audio/Video	PP	PVC	300	M14604	4	156
	C&C	PP	PVC	300	6032C	3 - 12	357
	C&C, Direct Burial	PP	PE	350	6314	3 - 6	359
	Plenum	PVC	PVC	300	M243142	2 - 4	184
Security/Data	PVC	PVC	300	M213142	2 - 6	177	
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	300	M9740020	2 - 50	215
Foil + Braid	Computer	SR-PVC	PVC	300	M5670	5 - 27	232
	Xtra-Guard 1	PVC	PVC	300	5292C	2 - 19	55
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5350C	4 - 27	56
	Xtra-Guard 2	PVC	PUR	300	25292	2 - 9	70
	Xtra-Guard 4	TPE	TPE	300	45291	1 - 15	93
	Xtra-Guard 5	FEP	FEP	300	55291	1 - 12	103
Triads							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Triads	Page
Unshielded	Instrumentation	PVC	PVC	300	M9600010	1	209
Foil, Overall	Instrumentation	PVC	PVC	300	M9520010	1 - 12	210
	Instrumentation	PVC/Nylon	PVC	300	M9700020	2 - 50	214
Foil, Overall and Ind. Pairs	Instrumentation	PVC	PVC	300	5650B2004	4 - 12	211

## 20 AWG + 18 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded + Foil	Audio/Video	PVC	PVC	300	M13291	4	173

## 18 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13502	2 - 25	144
	Audio/Video	PVC	PVC	300	M33502	2 - 25	159
	C&C	PVC	PVC	300	1897C	2 - 25	309
	C&C	IRR PVC	PVC	300	6652	2 - 4	312
	Computer	PVC	PVC	300	881802	2 - 15	216

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## 18 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Control	PVC/Nylon	PVC	600	M3800	2 - 37	191
	Control	PVC/Nylon	PVC	600	M39056	2	194
	Control	PVC	PVC	300	M39075	2 - 3	199
	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F18003	3 - 65	127
	AWIS Series M Control	PVC/Nylon	PVC	600	M18103	3 - 65	129
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP181003	3 - 65	131
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1803R	3 - 65	136
	Security/Data	PVC	PVC	300	M213502	2 - 4	174
	Solar	PVC/Nylon	PVC	1000	SPM1803	3 - 9	295
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85803	3 - 34	111
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85803CY	3 - 25	113
	Xtra-Guard Standard Flex	PVC	PVC	600	658002	2 - 50	106
	Xtra-Guard Torsional Flex	TPE	PUR	600	87303	3 - 7	119
	Xtra-Guard 1	PVC	PVC	300	5062C	2 - 60	34
	Xtra-Guard 1	PVC	PVC	600	5422	2 - 25	36
	Xtra-Guard 2	PVC	PUR	300	25061	2 - 25	59
	Xtra-Guard 2	PVC	PUR	600	25422	2 - 12	60
	Xtra-Guard 3	PVC	PE	300	35062	2 - 15	72
	Xtra-Guard 4	TPE	TPE	300	45062	2 - 25	81
	Xtra-Guard 4	TPE	TPE	600	45422	2 - 9	82
Xtra-Guard 5	FEP	FEP	300	55062	2 - 12	96	
Foil, Overall	Audio/Video	PE	PVC	300	M3242	2 - 4	152
	Audio/Video	PE	PVC	300	M13242	2 - 3	167
	Audio/Video	SR-PVC	PVC	300	M13244	4	167
	C&C	PE	PVC	300	2421C	2 - 4	314
	C&C, Plenum	PVC	PVC	300	58431	2 - 6	364
	Computer	PVC	PVC	300	M4690	2 - 40	220
	Control	PVC/Nylon	PVC	600	M33800	2 - 19	195
	Control	PVC/Nylon	PVC	600	M39109	2	197
	Control	PVC	PVC	300	M39117	2 - 3	202
	Plenum	PVC	PVC	300	M244825	2 - 4	180
	Plenum	FEP	PVDF	300	M413242	2	181
	Plenum	FEP	FEP	300	M64825	2 - 8	183
	Security/Data	PVC	PVC	300	M113242	2 - 4	175
	Xtra-Guard 1	PVC	PVC	300	5382C	2 - 60	40
	Xtra-Guard 1	PVC	PVC	600	5430	2 - 25	42
	Xtra-Guard 2	PVC	PUR	300	25382	2 - 50	62
	Xtra-Guard 2	PVC	PUR	600	25430	2 - 19	63
	Xtra-Guard 3	PVC	PE	300	35382	2 - 25	74
	Xtra-Guard 3	PVC	PE	600	35430	2 - 12	75
	Xtra-Guard 4	TPE	TPE	300	45382	2 - 30	84
Xtra-Guard 4	TPE	TPE	600	45430	2 - 12	85	
Xtra-Guard 5	FEP	FEP	300	55382	2 - 12	98	
Braid	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1803RCY	3 - 49	138
	Audio/Video	PE	PVC	300	M1142	2 - 6	147
	Audio/Video	PVC	PVC	300	M3212	2 - 4	164
	C&C	PVC/Nylon	PVC	600	3240	1 - 4	322
	C&C	PVC	PVC	300	1745	1 - 4	323
	C&C	IRR PVC	PVC	600	7671	2 - 4	325
	C&C	Rubber	Polychloroprene	600	1450	2 - 6	330
	C&C	TFE	Fiberglass	600	2819	1 - 5	333

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## 18 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Braid	C&C	PTFE	PTFE	600	2829/2	2 - 4	335
	Control	PVC	PVC	600	M1461	1 - 3	189
	Control	PVC	PVC	1000	M1704	4 - 16	190, 326
	High Temperature	PTFE	PTFE	600	18RC2S06	2 - 4	256
	High Temperature	ETFE	ETFE	600	275001801	1 - 2	257
	High Temperature	PTFE	PTFE	600	M1241	1 - 4	259
	High Temperature	PTFE	FEP	600	71801	1 - 2	260
	Solar	PVC/Nylon	PVC	600	SPM1803CY	3 - 9	294
	Xtra-Guard Standard Flex	PVC	PVC	600	65803CY	3 - 25	109
	Foil + Braid	Computer	PVC	PVC	300	M5390	2 - 30
Industrial Series SF Servo Power		PVC	TPE	600	SF61118CY	4	133
Spiral	C&C	PVC	PVC	300	2258	1 - 4	319
	Xtra-Guard Torsional Flex	TPE	PUR	600	87303CY	3 - 7	121
	Audio/Video	PVC	PVC	300	M3281	1 - 4	162, 163
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5162C	2 - 40	46
	Xtra-Guard 1	PVC	PVC	600	5522	2 - 19	48
	Xtra-Guard 2	PVC	PUR	300	25162	2 - 40	65
	Xtra-Guard 2	PVC	PUR	600	25522	2 - 9	66
	Xtra-Guard 3	PVC	PE	300	35162	2 - 15	76
	Xtra-Guard 4	TPE	TPE	300	45162	2 - 30	87
	Xtra-Guard 4	TPE	TPE	600	45522	2 - 12	88
	Xtra-Guard 5	FEP	FEP	300	55162	2 - 12	100
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Unshielded	Audio/Video	PVC	PVC	300	M13081	1 - 19	133
	C&C	PVC	PVC	300	1131C	1 - 19	340
	Instrumentation	PVC	PVC	300	M9508010	1	203
	Instrumentation	PVC/Nylon	PVC	600	5606B1801	1	208
	Security/Data	PVC	PVC	300	M2215	2 - 4	176
	Xtra-Guard 1	PVC	PVC	300	5032C	2 - 12	51
	Xtra-Guard 4	TPE	TPE	300	45031	1 - 2	89
Foil, Overall	C&C	PVC	PVC	150	2241C	1 - 19	343
	C&C	PVC	PVC	300	6427	2 - 15	344
	Computer	PVC	PVC	300	4799	2 - 19	230
	Control	PVC	PVC	300	M39140	2 - 15	201
	Fieldbus, Type A	PO	PVC	300	6459	1	299
	Instrumentation	PVC	PVC	300	M39140	2 - 15	183
	Instrumentation	PVC/Nylon	PVC	600	M8528010	1 - 50	205
	Instrumentation	PVC/Nylon	PVC	600	M9528010	1	204
	Security/Data	PVC	PVC	300	M213182	2 - 4	178
	Xtra-Guard 1	PVC	PVC	300	5373C	3 - 6	53
	Xtra-Guard 2	PVC	PUR	300	25372	2 - 12	68
	Xtra-Guard 3	PVC	PE	300	35372	2 - 6	77
	Xtra-Guard 4	TPE	TPE	300	45371	1 - 19	91
	Xtra-Guard 5	FEP	FEP	300	55371	1 - 9	102
	Foil, Ind. Pairs	Audio/Video	PE	PVC	300	M13173	3 - 15
C&C		PVC	PVC	300	6062C	2 - 15	355
C&C		PP	PVC	300	6023C	3 - 9	356
C&C		PVC	PVC	300	6442	2 - 15	357
Control		PVC	PVC	300	M39157	2 - 15	200
DeviceNet, Thick and Thin		PVC/HDPE	PVC	300	6451	2	298

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Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Foil, Ind. Pairs	Plenum	PVC	PVC	300	M243172	2 - 3	184
	Security/Data	PVC	PVC	300	M213172	2 - 6	177
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8748020	2 - 50	207
	Instrumentation	PVC/Nylon	PVC	300	M9748020	2 - 50	215
	C&C, Mid Cap., Plenum	FEP	PVDF	150	58632	2 - 3	367
Foil + Braid	Industrial Twinax	PO	PVC	600	6450	1	303
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5132C	2 - 27	55
	Xtra-Guard 2	PVC	PUR	300	25132	2 - 12	70
	Xtra-Guard 4	TPE	TPE	300	45131	1 - 15	93
	Xtra-Guard 5	FEP	FEP	300	55131	1 - 9	103

Triads							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Triads	Page
Unshielded	Instrumentation	PVC	PVC	300	M9608010	1	209
Foil, Overall	Instrumentation	PVC	PVC	300	M9628010	1	210
	Instrumentation	PVC/Nylon	PVC	600	M8628010	1 - 24	212
	Instrumentation	PVC	PVC	300	M9708020	2 - 50	214
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8848020	2 - 24	213

## 16 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13572	2 - 4	144
	Audio/Video	PVC	PVC	300	M3704	4 - 15	145
	Audio/Video	PVC	PVC	300	M33572	2 - 8	160
	C&C	PVC	PVC	300	1899C	2 - 4	309
	C&C	PVC	PVC	600	1064	4 - 25	311
	Computer	PVC	PVC	300	881602	2 - 10	217
	Control	PVC/Nylon	PVC	600	M3826	2 - 37	191
	Control	PVC/Nylon	PVC	600	M39057	2	194
	Control	PVC	PVC	300	M39077	2 - 3	199
	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F16003	3 - 65	127
	AWIS Series M Control	PVC/Nylon	PVC	600	M161003	3 - 65	129
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP161003	3 - 65	131
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1603R	3 - 49	136
	Security/Data	PVC	PVC	300	M213572	2 - 4	174
	Solar	PVC/Nylon	PVC	1000	SPM1603	3 - 9	295
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85603	3 - 50	111
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85603CY	3 - 34	113
	Xtra-Guard Standard Flex	PVC	PVC	600	65602	2 - 50	106
	Xtra-Guard Torsional Flex	TPE	PUR	600	87403	3 - 7	120
	Xtra-Guard 1	PVC	PVC	300	5072C	2 - 50	34
	Xtra-Guard 1	PVC	PVC	600	5434	4 - 25	37
	Xtra-Guard 2	PVC	PUR	300	25072	2 - 25	59
	Xtra-Guard 2	PVC	PUR	600	25432	2 - 19	60
	Xtra-Guard 3	PVC	PE	300	35072	2 - 15	72
	Xtra-Guard 4	TPE	TPE	300	45072	2 - 25	81
	Xtra-Guard 4	TPE	TPE	600	45432	2 - 9	82
	Xtra-Guard 6	FEP	FEP	300	55072	2 - 12	96
Audio/Video	PVC	PVC	300	M13572	2 - 4	144	



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## 16 AWG

Multiconductor								
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page	
Foil, Overall	Audio/Video	PE	PVC	300	M3247	2 - 3	153	
	Audio/Video	PE	PVC	300	M13247	2 - 3	168	
	C&C	PE	PVC	300	2432C	2 - 3	314	
	C&C, Plenum	PVC	PVC	300	58142	2 - 4	364	
	Computer	PVC	PVC	300	M4720	2 - 30	221	
	Control	PVC/Nylon	PVC	600	M33826	2 - 19	195	
	Control	PVC/Nylon	PVC	600	M39110	2	197	
	Control	PVC/Nylon	PVC	600	7616/6	6	198	
	Control	PVC	PVC	300	M39119	2 - 3	202	
	Plenum	PVC	PVC	300	M244834	2 - 4	180	
	Plenum	FEP	FEP	300	M64834	2 - 4	183	
	Security/Data	PVC	PVC	300	M113247	2 - 3	175	
	Xtra-Guard 1	PVC	PVC	300	5362C	2 - 40	40	
	Xtra-Guard 1	PVC	PVC	600	5440	2 - 15	43	
	Xtra-Guard 2	PVC	PUR	300	25362	2 - 50	62	
	Xtra-Guard 2	PVC	PUR	600	25440	2 - 15	63	
	Xtra-Guard 3	PVC	PE	300	35362	2 - 25	74	
	Xtra-Guard 3	PVC	PE	600	35440	2 - 12	75	
	Xtra-Guard 4	TPE	TPE	300	45362	2 - 25	84	
	Xtra-Guard 4	TPE	TPE	600	45440	2 - 12	85	
Xtra-Guard 5	FEP	FEP	300	55362	2 - 12	98		
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1603RCY	3 - 49	138	
Braid	Audio/Video	PE	PVC	300	M1162	2 - 4	147	
	Audio/Video	PVC	PVC	300	M3216	2 - 3	164	
	C&C	PVC/Nylon	PVC	600	3245	1 - 4	322	
	C&C	PVC	PVC	300	1748C	2 - 3	323	
	C&C	Rubber	Polychloroprene	600	1450/16	2 - 3	330	
	C&C	TFE	Fiberglass	600	2820	1 - 4	333	
	C&C	PTFE	PTFE	600	2826	1 - 4	335	
	Control	PVC	PVC	600	M1471	1 - 4	189	
	Control	PVC	PVC	1000	M1764	4 - 27	190, 326	
	High Temperature	PTFE	PTFE	600	M1251	1 - 4	259	
	High Temperature	PTFE	FEP	600	71602	2	260	
	Solar	PVC/Nylon	PVC	600	SPM1603CY	3 - 9	294	
	Xtra-Guard Standard Flex	PVC	PVC	600	65603CY	3 - 25	109	
	Foil + Braid	Computer	PVC	PVC	300	M5420	2 - 25	229
		Flexible Motor Supply	PVC/Nylon	PVC	600	5660	4	304
AWIS Series SF Servo Composite		PVC	TPE	600	SF61220CY	4 + 2 pr	133	
AWIS Series SF Servo Power		PVC	TPE	600	SF61116CY	4	133	
AWIS Series V VFD		XLPE	PVC	600/1000	V16316/V16016	3, 4, 4 + 1 pr	134, 135	
Spiral	C&C	PVC	PVC	300	2260	2 - 3	319	
	Xtra-Guard Torsional Flex	TPE	PUR	600	87403CY	3 - 7	122	
	Audio/Video	PVC	PVC	300	M3287	2 - 3	163	
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	300	5172C	2 - 25	46	
	Xtra-Guard 1	PVC	PVC	600	5532	2 - 19	49	
	Xtra-Guard 2	PVC	PUR	300	25172	2 - 40	65	
	Xtra-Guard 2	PVC	PUR	600	25532	2 - 19	66	

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## 16 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Supra-Shield Foil + Braid	Xtra-Guard 2	PVC	PUR	600	25542	2 - 12	66
	Xtra-Guard 3	PVC	PE	300	35172	2 - 15	76
	Xtra-Guard 4	TPE	TPE	300	45172	2 - 25	87
	Xtra-Guard 4	TPE	TPE	600	45532	2 - 12	88
	Xtra-Guard 5	FEP	FEP	300	55172	2 - 12	100
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Unshielded	Instrumentation	PVC	PVC	300	M9506010	1	202
	Instrumentation	PVC/Nylon	PVC	600	5606B1601	1	208
Foil, Overall	C&C	PE	PVC	600	2471	1	348
	Computer	PVC	PVC	300	M4799	2 - 6	230
	Instrumentation	PVC	PVC	300	M9526010	1	204
	Instrumentation	PVC/Nylon	PVC	600	M8526010	1 - 50	205
Foil, Ind. Pairs	C&C, Mid Cap., Plenum	FEP	PVDF	150	58642	2 - 3	367
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8746020	2 - 50	207
	Instrumentation	PVC/Nylon	PVC	300	M9746020	2 - 50	215
Triads							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Triads	Page
Unshielded	Instrumentation	PVC	PVC	300	M9606010	1	209
	Instrumentation	PVC	PVC	300	M9626010	1	210
Foil, Overall	Instrumentation	PVC/Nylon	PVC	600	M8626010	1 - 24	212
	Instrumentation	PVC/Nylon	PVC	300	M9706020	2 - 50	214
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8846020	2 - 24	213

## 14 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13582	2 - 4	144
	Audio/Video	PVC	PVC	300	M33582	2 - 3	160
	C&C	PVC	PVC	300	1891C	2 - 3	310
	C&C	PVC	PVC	600	1274	4 - 12	311
	Computer	PVC	PVC	300	881403	3 - 5	217
	Control	PVC/Nylon	PVC	600	M3845	2 - 37	191
	Control	PVC/Nylon	PVC	600	M39058	2	194
	Control	PVC	PVC	300	M39079	2 - 3	199
	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F14004	4 - 12	128
	AWIS Series M Control	PVC/Nylon	PVC	600	M141004	4 - 25	130
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP141004	4 - 25	132
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1403R	3 - 12	136
	Solar	PVC/Nylon	PVC	1000	SPM1403	3 - 9	295
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85403	4 - 7	111
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85404CY	4 - 7	113
	Xtra-Guard Standard Flex	PVC	PVC	600	65402	2 - 50	107
	Xtra-Guard Torsional Flex	TPE	PUR	600	87503	3 - 7	120
	Xtra-Guard 1	PVC	PVC	600	5442	2 - 25	37
	Xtra-Guard 2	PVC	PUR	600	25442	2 - 12	60
	Xtra-Guard 4	TPE	TPE	600	45442	2 - 7	82

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## 14 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Foil, Overall	Audio/Video	PE	PVC	300	M3249	2	153
	Audio/Video	PE	PVC	300	M13249	2	168
	C&C	PE	PVC	300	2442C	2	315
	Control	PVC/Nylon	PVC	600	M33845	2 - 19	195
	Control	PVC/Nylon	PVC	600	M39111	2	197
	Control	PVC/Nylon	PVC	600	7614/6	6	198
	Control	PVC	PVC	300	M39121	2 - 3	202
	Xtra-Guard 1	PVC	PVC	600	5450	2 - 12	43
	Xtra-Guard 2	PVC	PUR	600	25450	2 - 15	63
	Xtra-Guard 3	PVC	PE	600	35450	2 - 12	75
	Xtra-Guard 4	TPE	TPE	600	45450	2 - 15	85
Braid	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1403RCY	3 - 12	138
	Audio/Video	PVC	PVC	300	M33218	2 - 3	165
	C&C	PVC	PVC	300	1750	2 - 3	324
	C&C	TFE	Fiberglass	600	2804/2	1 - 2	333
	Solar	PVC/Nylon	PVC	600	SPM1403CY	3 - 9	294
Foil + Braid	Xtra-Guard Standard Flex	PVC	PVC	600	65403CY	3 - 18	109
	Flexible Motor Supply	PVC/Nylon	PVC	600	5661	4	304
	AWIS Series SF Servo Composite	PVC	TPE	600	SF61221CY	4 + 2 pr	133
	AWIS Series SF Servo Power	PVC	TPE	600	SF61114CY	4	133
Spiral	AWIS Series V VFD	XLPE	PVC	600/1000	V16314/V16014	3, 4, 4 + 1 pr	134, 135
	Xtra-Guard Torsional Flex	TPE	PUR	600	87503CY	3 - 7	122
	Audio/Video	PVC	PVC	450	M3289	2 - 3	163
Supra-Shield Foil + Braid	Xtra-Guard 1	PVC	PVC	600	5542	2 - 19	49
	Xtra-Guard 4	TPE	TPE	600	45542	2 - 9	88
Multipair							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page
Foil, Overall	C&C	PE	PVC	600	2472	1	348
	Instrumentation	PVC	PVC	300	M9524010	1	204
	Instrumentation	PVC/Nylon	PVC	600	M8524010	1 - 50	206
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8744020	2 - 50	207
Triads							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Triads	Page
Foil, Overall	Instrumentation	PVC	PVC	300	M9624010	1	210
	Instrumentation	PVC/Nylon	PVC	600	M8624010	1 - 24	212
Foil, Overall and Ind. Pairs	Instrumentation	PVC/Nylon	PVC	600	M8844020	2 - 24	213

## 12 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Audio/Video	PVC	PVC	300	M13590	2	144
	Audio/Video	PVC	PVC	300	M33590	2 - 3	160
	C&C	PVC	PVC	300	1892C	2 - 3	310
	Computer	PVC	PVC	300	881202	2 - 3	217
	Control	PVC/Nylon	PVC	600	M3865	2 - 37	192

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## 12 AWG

Multiconductor								
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page	
Unshielded	Control	PVC/Nylon	PVC	600	M39059	2	194	
	Control	PVC	PVC	300	M39081	2	199	
	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F12004	4 - 7	128	
	AWIS Series M Control	PVC/Nylon	PVC	600	M121004	4 - 7	130	
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP121004	4 - 7	132	
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1203R	3 - 7	137	
	Solar	PVC/Nylon	PVC	1000	SPM1203	3 - 9	295	
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85204	4 - 7	112	
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85204CY	4 - 7	114	
	Xtra-Guard Standard Flex	PVC	PVC	600	65203	3 - 7	107	
	Xtra-Guard Torsional Flex	TPE	PUR	600	87603	3 - 7	120	
	Foil, Overall	Audio/Video	PE	PVC	300	M3250	2	153
		Audio/Video	PE	PVC	300	M13250	2	168
C&C		PE	PVC	300	2444C	2	315	
Control		PVC/Nylon	PVC	600	M33865	2 - 19	196	
Control		PVC/Nylon	PVC	600	M39112	2	197	
Control		PVC	PVC	300	M39123	2	202	
AWIS Series XM Flexible Control		PVC/Nylon	PVC	600/1000	XM1203RCY	3 - 7	139	
Braid	Audio/Video	PVC	PVC	300	M33220	2 - 3	165	
	C&C	PVC	PVC	300	1760	2 - 3	324	
	C&C	TFE	Fiberglass	600	2803/2	2	333	
	Solar	PVC/Nylon	PVC	600	SPM1203CY	3 - 9	294	
	Xtra-Guard Standard Flex	PVC	PVC	600	65203CY	3 - 5	110	
Foil + Braid	Flexible Motor Supply	PVC/Nylon	PVC	600	5662	4	304	
	AWIS Series SF Servo Composite	PVC	TPE	600	SF61222CY	4 + 2 pr	133	
	AWIS Series SF Servo Power	PVC	TPE	600	SF61112CY	4	133	
	AWIS Series V VFD	XLPE	PVC	600/1000	V16312/ V16014	3, 4, 4 + 1 pr	134, 135	
Spiral	Xtra-Guard Torsional Flex	TPE	PUR	600	87603CY	3 - 7	122	
Multipair								
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Pairs	Page	
Foil, Overall	C&C	PE	PVC	600	2473	1	348	
	Instrumentation	PVC	PVC	300	5610B1201	1	204	
	Instrumentation	PVC/Nylon	PVC	600	5616B1201	1	206	

## 10 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Control	PVC/Nylon	PVC	600	M3902	2 - 15	193
	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F10004	4 - 7	128
	AWIS Series M Control	PVC/Nylon	PVC	600	M101004	4 - 7	130
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP101004	4 - 7	132
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1003R	3 - 7	137
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85104	4 - 7	112
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85104CY	4 - 7	114



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## 10 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Xtra-Guard Standard Flex	PVC	PVC	600	65103	3 - 5	107
	Xtra-Guard Torsional Flex	TPE	PUR	600	87703	3 - 7	120
Foil, Overall	Control	PVC/Nylon	PVC	600	M33902	2 - 12	196
Braid	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM1003RCY	3 - 7	139
	Xtra-Guard Standard Flex	PVC	PVC	600	65103CY	3 - 7	110
Foil + Braid	Flexible Motor Supply	PVC/Nylon	PVC	600	5663	4	304
	AWIS Series SF Servo Composite	PVC	TPE	600	SF61223CY	4 + 2 pr	133
	AWIS Series SF Servo Power	PVC	TPE	600	SF61110CY	4	133
	AWIS Series V VFD	XLPE	PVC	600/1000	V16310/V16012	3, 4, 4 + 1 pr	134, 135
Spiral	Xtra-Guard Torsional Flex	TPE	PUR	600	87703CY	3 - 7	122

## 8 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	AWIS Series F Continuous Flex	PVC/Nylon	TPE	600	F08004	4	128
	AWIS Series M Control	PVC/Nylon	PVC	600	M081004	4-5	130
	AWIS Series P Stationary Control	PVC/Nylon	TPE	600	MP081004	4 - 7	132
	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM0803R	3 - 4	137
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85904	4	112
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85904CY	4	114
	Xtra-Guard Standard Flex	PVC	PVC	600	65904	4 - 5	107
Braid	AWIS Series XM Flexible Control	PVC/Nylon	PVC	600/1000	XM0803RCY	3 - 4	139
	Xtra-Guard Standard Flex	PVC	PVC	600	65904CY	4	110
Foil + Braid	Flexible Motor Supply	PVC/Nylon	PVC	600	5664	4	304
	AWIS Series SF Servo Composite	PVC	TPE	600	SF61224CY	4 + 2 pr	133
	AWIS Series SF Servo Power	PVC	TPE	600	SF61108CY	4	133
	AWIS Series V VFD	XLPE	PVC	600/1000	V16308/V16008	3, 4, 4 + 1 pr	134, 135

## 6 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85704	4	112
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85704CY	4	114
Braid	Xtra-Guard Standard Flex	PVC	PVC	600	65704	4 - 5	108
	Xtra-Guard Standard Flex	PVC	PVC	600	65704CY	4	110
Foil + Braid	Flexible Motor Supply	PVC/Nylon	PVC	600	5665	4	304
	AWIS Series V VFD	XLPE	PVC	600/1000	V16306/V16006	3, 4, 4 + 1 pr	134, 135

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## 4 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85504	4	112
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85504CY	4	114
	Xtra-Guard Standard Flex	PVC	PVC	600	65504	4 - 5	108
Braid	Xtra-Guard Standard Flex	PVC	PVC	600	65504CY	4	110
Foil + Braid	AWIS Series V VFD	XLPE	PVC	600/1000	V16304/ V16004	3, 4, 4 + 1 pr	134, 135

## 2 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Unshielded	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85304	4	112
	Xtra-Guard Continuous Flex, Control	PVC	PVC	600	85304CY	4	114
	Xtra-Guard Standard Flex	PVC	PVC	600	65304	4 - 5	108
Braid	Xtra-Guard Standard Flex	PVC	PVC	600	65304CY	4	110
Foil + Braid or Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16302/ V16002	3, 4, 4 + 1 pr	134, 135

## 1 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16001	3	134, 135

## 1/0 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16000	3	134, 135

## 2/0 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16020	3	134, 135

## 3/0 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16030	3	134, 135

## 4/0 AWG

Multiconductor							
Shielding	Type	Insulation	Jacket	Voltage	Part No. (Typ)	Conductors	Page
Tape	AWIS Series V VFD	XLPE	PVC	600/1000	V16040	3	134, 135

# Industry Standards Cross-Reference

Specification	Page	Specification	Page	Specification	Page
A-A-52080 Type 1	516	CSA 5836 01	506-507, 512, 515	MIL-DTL-16878/6	398
A-A-52081	517	CSA AWM I A/B	396, 412-413, 414	MIL-DTL-22759/11	403
A-A-52084	518	CSA AWM I A/B FT1	381-383, 391, 394, 418, 429-431	MIL-DTL-22759/16	403
A-A-59163	504	CSA AWM I A/B FT2	397, 407	MIL-I-22129	498
A-A-59551	512	CSA AWM I/II A		MIL-I-3190/2 Class 130 Type B Cat b	500
A-A-59569	521-522	CSA AWM I/II A/B FT1	58-70, 80-93, 106-114, 294-295, 380	MIL-I-3190/3 Grade C1	499
A-A-59569A	519	CSA AWM I/II A/B FT4	36-37, 42-43, 48-49, 115-122, 127-139, 216-218, 222-226, 298, 304, 315	MIL-I-3190/6 Class 20 Type D Cat C	501
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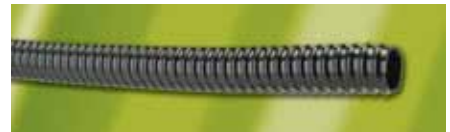
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