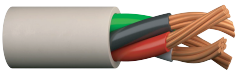
CAROL® Electronics Quick Reference & Applications Guide

Over the past 75 years, Prysmian's CAROL® brand has become synonymous with excellence in wire & cable products. Prysmian takes pride in manufacturing the most comprehensive line of CAROL® Electronics Cables for signal & data transmission, security, fire alarm & life safety, as well as sound, audio/video, & home entertainment. Explore our range and experience the reliability of CAROL®, now available for prompt delivery from Encore Wire.

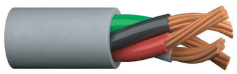
Alarm and Security

CAROL® Electronics is the right solution for all alarm and security needs. With an expansive range of product offerings, CAROL products are unparalleled in the industry. Our Alarm & Security Solutions Guide makes specifying and selling the right cables for every application in this ever-growing market easier.

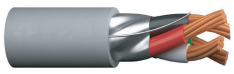


Part #	GBID	Graybar Catalog #	Product Description	Applications
PLENUM UNSHIELDED ALARM AND SECURITY				
E3004S	97190083	4C22-CMP-NA-B-B-FG-GCC	4C/22 Multi-Cond. 7/30BC UNSH CL3P/CMP/FPLP	· Power-Limited Control Circuits · Wiring of Intercom, Security, Audio, Background Music · Suggested Voltage Rating: 300 V
E3032S	25685985	2C18-CMP-WH-R-B-FG-GCC	2C/18 Multi-Cond. 7/26BC UNSH CL3P/CMP/FPLP	
E3034S	22015268	4C18-CMP-NA-R-B-FG-GCC-X	3C/18 Multi-Cond. 7/26BC UNSH CL3P/CMP/FPLP	
E3033S	22015213	3C18-CMP-NA-R-B-FG-GCC-X	4C/18 Multi-Cond. 7/26BC UNSH CL3P/CMP/FPLP	
E3042S	25096083	2C16-CMP-NA-R-B-FG-GCC-X	3C/18 Multi-Cond. 7/26BC UNSH CL3P/CMP/FPLP	

PLENUM SHIELDED ALARM AND SECURITY				
E2104S	25097550	4C22FS-CMP-NA-B-B-FG-GCC	22/4 Multi-Cond. 7/30BC OA SH CMP/CL3P	· Power-Limited Control Circuits · Wiring of Intercom, Security, Audio, Background Music · Suggested Voltage Rating: 300 V
E2106S	25152464	6C22FS-CMP-GN-R-B-FG-GCC	22/6 Multi-Cond. 7/30BC OA SH CMP/CL3P	
E2202S	25190316	2C18FS-CMP-WH-R-B-FG-GCC	18/2 Multi-Cond. 7/26BC OA SH CMP/CL3P	
E2204S	22015227	4C18FS-CMP-NA-R-B-FG-GCC	18/4 Multi-Cond. 7/26BC OA SH CMP/CL3P	
E2206S	25820812	6C18FS-CMP-NA-B-B-FG-GCC	18/6 Multi-Cond. 7/26BC OA SH CMP/CL3P	



RISER (NON-PLENUM) UNSHIELDED ALARM AND SECURITY				
E1002S	97190028	2C22-CMR-GY-B-B-GCC	22/2 Multi-Cond. 7/30BC UNSH CMR/CL3R	· Power-Limited Control Circuits · Wiring of Intercom, Security, Audio, Background Music · Suggested Voltage Rating: 300 V
E1004S	97190031	4C22-CMR-GY-B-B-GCC	22/4 Multi-Cond. 7/30BC UNSH CMR/CL3R	
E1032S	25393146	2C18-CMR-WH-B-B-GCC	18/2 Multi-Cond. 7/26BC UNSH CMR/CL3R	
E1034S	97254216	4C18-CMR-GY-R-B-GCC	18/4 Multi-Cond. 7/26BC UNSH CMR/CL3R	
E1042S	97227099	2C16-CMR-GY-R-B-GCC	16/2 Multi-Cond. 19/.0117BC UNSH CMR	

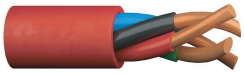


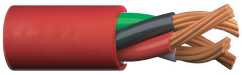
RISER (NON-PLENUM) SHIELDED ALARM AND SECURITY				
E2002S	97126448	2C22FS-CMR-GY-B-B-GCC	22/2 Multi-Cond. 7/30BC OA SH CMR/CL3R	· Power-Limited Control Circuits · Wiring of Intercom, Security, Audio, Background Music · Suggested Voltage Rating: 300 V
E2032S	97126455	2C18FS-CMR-GY-B-B-GCC	18/2 Multi-Cond. 7/26BC OA SH CMR/CL3R	
E2033S	97126457	3C18FS-CMR-GY-B-B-GCC	18/3 Multi-Cond. 7/26BC OA SH CMR/CL3R	
E2034S	25097546	4C18FS-CMR-GY-B-B-GCC	18/4 Multi-Cond. 7/26BC OA SH CMR/CL3R	
E2042S	97126461	2C16FS-CMR-GY-B-B-GCC	16/2 Multi-Cond. 19/.0117BC OA SH CMR	

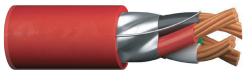
Note: Other gauges, colors, and packaging are available. Contact your Prysmian Sales Representative for additional ordering options.

Fire Alarm

CAROL® Electronics' offering relies on the most modern microprocessor and chip technologies. CAROL designs have proven themselves in fire system security over time. All are fabricated with solid, bare copper conductors and insulations, and jackets of premium-grade PVC. Offered with or without shields to protect critical circuits from noise, these cables will provide the latest technology for system installers and contractors.







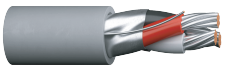
PART #	GBID	Graybar Catalog #	PRODUCT DESCRIPTION	APPLICATIONS
PLENUM UNSHIELDED FIRE ALARM				
E3502S	97126147	2C18-FPL-P-B-GCC	1/28 Multi-Cond. SBC PVC/NS/FLEX FPLP	· Residential Housing · Business and Office Campus Environments · Public Stadiums and Arenas · Airport, Train, Bus and Other Transportation Hubs · Schools, Colleges and Universities · Commercial Buildings
E3504S	97126148	4C18-FPL-P-B-GCC	18/4 Multi-Cond. SBC PVC/NS/FLEX FPLP	
E3512S	25668579	2C16-FPL-P-WH-R-GCC	16/2 Multi-Cond. SBC PVC/NS/FLEX FPLP	
E3522S	25282883	2C14-FPL-P-B-GCC	14/2 Multi-Cond. SBC PVC/NS/FLEX FPLP	
E3532S	97190088	2C12-FPL-P-R-GCC	12/2 Multi-Cond. SBC PVC/NS/FLEX FPLP	
PLENUM SHIELDED FIRE ALARM				
E3602S	97126154	2C18FS-FPL-P-R-GCC	18/2 Multi-Cond. SBC PVC/OA/FLEX FPLP	· Residential Housing · Business and Office Campus Environments · Public Stadiums and Arenas · Airport, Train, Bus and Other Transportation Hubs · Schools, Colleges and Universities · Commercial Buildings
E3604S	97126155	4C18FS-FPL-P-R-GCC	18/4 Multi-Cond. SBC PVC/OA/FLEX FPLP/CMP	
E3612S	26416973	2C16FS-FPL-P-WH-R-GCC	16/2 Multi-Cond. SBC PVC/OA/FLEX FPLP	
E3622S	97126166	2C14FS-FPL-P-R-GCC	14/2 Multi-Cond. SBC PVC/OA/FLEX FPLP	
E3632S	97190091	2C12FS-FPL-P-R-GCC	12/2 Multi-Cond. SBC PVC/OA/FLEX FPLP/CMP	
RISER (NON-PLENUM) UNSHIELDED FIRE ALARM				
E1502S	97126137	2C18-FPL-R-R-GCC	18/2 Multi-Cond. SBC UNSH TYPE FPLR	· Residential Housing · Business and Office Campus Environments · Public Stadiums and Arenas · Airport, Train, Bus and Other Transportation Hubs · Schools, Colleges and Universities · Commercial Buildings
E1504S	97126138	4C18-FPL-R-B-GCC	18/4 Multi-Cond. SBC UNSH TYPE FPLR	
E1512S	25668578	2C16-FPL-R-WH-B-GCC	16/2 Multi-Cond. SBC UNSH TYPE FPLR	
E1522S	25212209	2C14-FPL-R-B-GCC	14/2 Multi-Cond. SBC UNSH TYPE FPLR	
E1532S	97126145	2C12-FPL-R-R-GCC	12/2 Multi-Cond. SBC UNSH TYPE FPLR	
RISER (NON-PLENUM) SHIELDED FIRE ALARM				
E2502S	25565396	2C18FS-FPL-R-S5-GCC	18/2 Multi-Cond. SBC OA SH TYPE FPLR	· Residential Housing · Business and Office Campus Environments · Public Stadiums and Arenas · Airport, Train, Bus and Other Transportation Hubs · Schools, Colleges and Universities · Commercial Buildings
E2504S	97169621	4C18FS-FPL-R-B-GCC	18/4 Multi-Cond. SBC OA SH TYPE FPLR	
E2522S	98324307	2C16FS-FPL-R-S5-GCC	16/2 Multi-Cond. SBC OA SH TYPE FPLR	
E2524S	97190635	4C16FS-FPL-R-R-GCC	16/4 Multi-Cond. SBC OA SH TYPE FPLR	
E2532S	97126144	2C14FS-FPL-R-R-GCC	14/2 Multi-Cond. SBC OA SH TYPE FPLR	

Note: Other gauges, colors, and packaging are available. Contact your Prysmian Sales Representative for additional ordering options.

Classics – Communications & Control

Paired cable designs find frequent application in circuits requiring circuit-to-circuit isolation from noise, minimization of capacitance imbalances and a reduction of EMI interference currents. Circuit separation is further enhanced in those designs employing individual circuit shields in concert with an overall shield. These CAROL® shielding systems are available in myriad combinations to suit the unique needs of the circuit designer.

* Paired constructions are also available

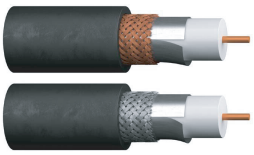


PART #	GBID	Graybar Catalog #	PRODUCT DESCRIPTION	APPLICATIONS
RISER SHIELDED CLASSICS				
C2514A	25053072	2C22FS-CM-GY-R-A-GCC	22/2 Multi-Cond. 7/30TC SHLD CM	· Remote and Process Control · Public Address Systems · Building Automation for EIA 232 Serial Applications · HVAC/Lighting
C0763A	25047131	6C22FS-CMR-GY-R-A-GCC	22/6 Multi-Cond. 7/30TC SHLD CM	
C2534A	25043802	2C18FS-CM-GY-B-A-GCC	18/2 Multi-Cond. 16/30TC SHLD CM	
C2535A	25047126	3C18FS-CM-GY-R-A-GCC	18/3 Multi-Cond. 16/30TC SHLD CM	
C2543A	25047133	4C18FS-CM-GY-R-A-GCC	18/4 Multi Cond. 19/30TC SHLD CM	
RISER UNSHIELDED CLASSICS				
C6348A	25051267	2C22-CM-GY-S-A-GCC	22/2 Multi-Cond. 7/30TC UNSH CM	· Remote and Process Control · Public Address Systems · Building Automation for EIA 232 Serial Applications · HVAC/Lighting
C4062A	25358318	3C22-CM-GY-R-GCC	22/3 Multi-Cond. 7/30TC UNSH CM	
C4063A	25048246	4C22-CM-GY-R-GCC	22/4 Multi-Cond. 7/30TC UNSH CM	
C6351A	25043791	2C20-CM-GY-R-A-GCC	20/2 Multi-Cond. 7/28TC UNSH CM	
C2831A	25053070	3C18-CM-GY-R-5-A-GCC	18/3 Multi-Cond. 16/30TC UNSH CM	
PLENUM SHIELDED CLASSICS				
C3158	97188086	2C22FS-CMP-NA-R-FG-GCC	22/2 Multi-Cond. 7/30TC PVC/SHLD/FLEX CMP	· Remote and Process Control · Public Address Systems · Building Automation for EIA 232 Serial Applications · HVAC/Lighting
C3062	??	2C18FS-CMP-NA-R-B-FG-GCC	18/2 Multi-Cond. 7/26BC PVC/SHLD/FLEX CMP	
C3063	22126739	4C18FS-CMP-NA-B-B-FG-GCC-X	18/4 Multi Cond. 7/26BC PVC/SHLD/FLEX CMP	
C3065	97126472	6C18FS-CMP-NA-R-B-FG-GCC	18/6 Multi-Cond. 7/26BC PVC/SHLD/FLEX CMP	
C3068	97126474	2C16FS-CMP-NA-R-B-FG-GCC	16/2 Multi-Cond. 19/.0117BC SHLD/FLEX CMP	
PLENUM UNSHIELDED CLASSICS				
C3115	97188084	2C22-CMP-NA-R-FG-GCC	22/2 Multi-Cond. 7/30TC PVC/UNSH/FLEX CMP	· Remote and Process Control · Public Address Systems · Building Automation for EIA 232 Serial Applications · HVAC/Lighting
C3112	97126479	2C18-CMP-NA-R-B-FG-GCC-X	18/2 Multi-Cond. 7/26BC PVC/UNSH/FLEX CMP	
C3113	97126475	4C18-CMP-NA-R-B-FG-GCC	18/4 Multi-Cond. 7/26BC PVC/UNSH/FLEX CMP	
C3122	97126489	8C18-CMP-NA-R-B-FG-GCC	18/8 Multi-Cond. 7/26BC PVC/UNSH/FLEX CMP	
C3128	97126493	2C14-CL3P-NA-R-B-FG-GCC	14/2 Multi-Cond. 19/.0147BC UNSH/FLEX CL3P	

Note: Other gauges, colors, and packaging are available. Contact your Prysmian Sales Representative for additional ordering options.

Coax

CAROL® offers a complete line of coaxial cables for today's sophisticated high-speed, wide-bandwidth electronics products that run over long distances with minimal signal loss or degradation.

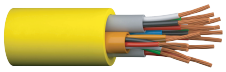


PART #	GBID	Graybar Catalog #	PRODUCT DESCRIPTION	APPLICATIONS
C5775	25052426	RG6U-NP-60-FA-WH-FN-R-GCC	18/1 RG6/U FL+60%AL/BRD SHLD CL2/CM	· CATV · MATV
C5886	25243561	RG6U-CR-60-FA-FN-P-GCC	18/1 RG6/U FL+60%AL/BRD SHLD CMR	
C5785	97135988	RG6U-CN-AQ-FN-R-GCC	18/1 RG6/U QUAD SHLD CL2/CM	
C5889	25096414	RG6U-CR-AQ-FN-P-GCC	18/1 RG6/U QUAD SHLD RISER	
C1156	97169274	RG174U-NP-88-TC-S-PN-S-GCC	26/1 RG174U 88%TC/BRD SHLD	
C3524	25091396	RG6U-P-80-FA-TC-R-GCC	18/1 RG6/U FL+80%AL/BRD SHLD CL2P/CMP	
C3525	25091204	RG6U-P-AQ-TC-R-GCC	18/1 RG6/U QUAD SHLD CL2P/CMP	
C3521	97189892	RG6U-P-95-FT-BTC-R-GCC	18/1 RG6/U FL+95%TC/BRD SHLD HD/ETL/CMP	
C3528	25042212	RG11U-P-60-FA-TK-R-GCC	14/1 RG11/U FL+60%AL/BRD SHLD CL2P	
C3529	25182499	RG11U-P-AQ-TK-R-GCC	14/1 RG11/U QUAD SHLD CL2P	
C8029	25091263	RG6U-1P18-CM-BK-R-GCC	18+1PR18 RG6/U CCTV/CM/CL2	· CCTV · RF/Broadcast · HDTV
C8028	25050978	RG59U-1P18-CM-WH-R-GCC	20+1PR18 RG59/U CCTV/CM/CL2	
C1142	25091002	RG59U-CN-95-BC-B-FN-R-GCC	20/1 RG59/U 95%BC/BRD SHLD CL2/CM	
C8030	25091262	RG59U-1P18-CMP-WH-R-GCC	20+1PR18 RG59/U CCTV PLENUM	· CCTV · HDTV
495025	25215331	RG6U-P-95-FT-B-TR-R-GCC	18/1 RG6/U FL+95%TC/BRD SHLD HD/SDI/CMP	
495028	25129253	RG59U-P-95-BC-B-TC-R-GCC	20/1 RG59/U 95%BC/BRD SHLD CMP	
495015	25215334	RG11U-P-95-BCBTK-R-GCC	14/1 RG11/U 95%BC/BRD SHLD PVDF CMP	

Note: Other gauges, colors, and packaging are available. Contact your Prysmian Sales Representative for additional ordering options.

Access Control

CAROL® offers a wide range of coaxial and twinaxial designs in unbalanced arrays and precision-balanced pairs. The designs provide the system designer with a wide choice of cost-effective products that reflect the most recent changes in the standards set by UL, CSA and the FCC. Multiple cables under one jacket save time in preparation, setup, pulling and termination!



PART #	GBID	Graybar Catalog #	PRODUCT DESCRIPTION	APPLICATIONS
4EPL1S	25166854	2C22/4C22/3P22FS/4C18-CMP-YW-R	4 Elements 1 Shielded Overall Jacket Access Control Plenum	· Card Readers · Door Contacts · Lock Power · Retinal Scanner in Commercial Buildings
4EPL4S	25310507	4C22FS/2C22FS/3P22FS/4C18FSCMP	4 Shielded Elements Overall Jacket Access Control Plenum	
4ERS1S	25166856	2C22/4C22/3P22FS/4C18CMRBLRGCC	4 Elements 1 Shielded Overall Jacket Access Control Riser	
4ERS4S	25295285	4C18/4C22/3P22FS/2C22FSCMRDKBL	4 Shielded Elements Overall Jacket Access Control Riser	

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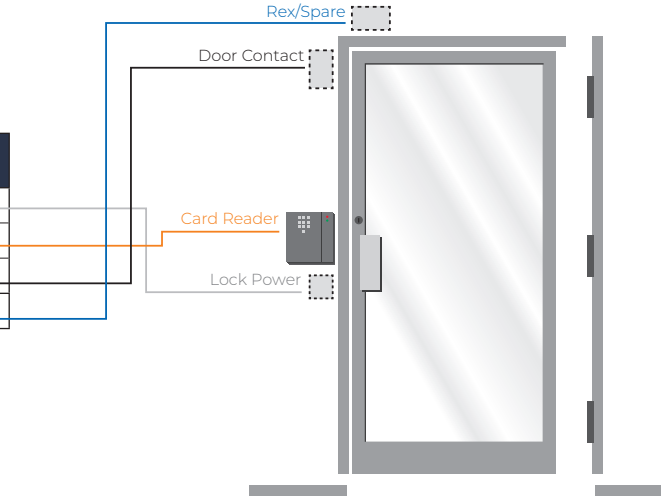
JACKET COLOR CODING & COMPONENT APPLICATION

JACKET COLOR	COMPONENT		CABLE TYPE	APPLICATION
Gray	1		4 Conductor, 18 AWG	Lock Power
Orange	2		3 Pair, 22 AWG	Card Reader
White	3		2 Conductor, 22 AWG	Door Contact
Blue	4		4 Conductor, 22 AWG	Rex/Spare



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Prysmian
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na.prysmian.com