

COMMUNICATION & CONTROL CABLE MULTI-CONDUCTOR UNSHIEL.

UL, CSA, and NEC approved wires for two way circuits.



GENERAL INFO

In many electronic applications, two wires are required to complete circuits; these are often referred to as “balanced arrays” or “twisted pair” constructions. 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 shielding systems are available from General Cable in myriad combinations to suit the unique needs of the circuit designer. As with the multi-conductor designs, a wide array of insulating and jacketing materials are available to meet specific electronic applications. General Cable's Carol® Brand communication cable products are manufactured to meet the latest UL, CSA and NEC requirements and approvals.

CONSTRUCTION/DESIGN

Nominal outer diameter [inch]	Conductor strand count	Cable marking	Conductor category	AWG size
				16
				18
				22
0.16	7/32	CAROL (R) 24 AWG -- C2461A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ FT) (PRINT EVERY 2 FT)	Class 2 = stranded	24
0.19	7/32	CAROL (R) 24 AWG -- C2464A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code - MM/YY) (sequential footage)	Class 2 = stranded	24
0.16	7/32	CAROL (R) 24 AWG -- C2461A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ FT) (PRINT EVERY 2 FT)	Class 2 = stranded	24
				24
0.17	7/32	CAROL (R) 24 AWG -- C2462A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (sequential footage)	Class 2 = stranded	24
0.18	7/32	CAROL (R) 24 AWG -- C2463A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code - MM/YY) (sequential footage)	Class 2 = stranded	24
0.2	7/32	NA	Class 2 = stranded	24
0.2	7/32	NA	Class 2 = stranded	24
0.2	7/32	NA	Class 2 = stranded	24
0.22	7/32	NA	Class 2 =	24
0.23	7/32	NA		
0.25	7/32	NA	Class 2 = stranded	24

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Group

PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
92968A.41.10	16/15C STRANDED BC CM		16	NA	15	Gray
92977A.41.10	18/2P STRANDED TC CM		18	NA	4	Gray
92985A.41.10	22/9C STRANDED CM		22	NA	9	Yellow
C2461A.41.10	24/2C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2461A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ FT) (PRINT EVERY 2 FT)	24	Black, Red	2	Gray
C2464A.41.10	24/5C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2464A -- 75C E105765-H CM (UL)C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code - MM/YY) (sequential footage)	24	Black, White, Red, Green, Brown	2	Gray
C2461A.41.10M	24/2C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2461A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ FT) (PRINT EVERY 2 FT)	24	Black, White	2	Gray
92980A.41.01	24/3C STRANDED TC CM		24	NA	3	Yellow
C2462A.48.10	24/3C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2462A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (sequential footage)	24	Black, White, Red	3	Gray
C2462A.41.10	24/3C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2462A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (sequential footage)	24	Black, White, Red	3	Gray
C2463A.21.10	24/4C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2463A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code - MM/YY) (sequential footage)	24	Black, White, Red, Green	4	Gray

PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C2463A.41.10	24/4C STRANDED UNSHIELDED CM	CAROL (R) 24 AWG -- C2463A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code - MM/YY) (sequential footage)	24	Black, White, Red, Green	4	Gray
C2466A.41.10	24/6C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue	6	Gray
C2466A.41.10M	24/6C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue	6	Gray
C2488A.41.10	24/7C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue, Orange	7	Gray
C2465A.21.10	24/8C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue, Orange, Yellow	8	Gray
C2470A.41.10	24/9C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple	9	Gray
C2471A.41.10	24/10C STRANDED UNSHIELDED CM	NA	24	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray	10	Gray

APPLICATION PROPERTIES

Part number	Product name	Conductor resistance at operation temperature [mOhm/ft]	Nominal insulation thickness [inch]	Nominal outer diameter [inch]	Nominal operation capacitance [pF/ft]	Shield DC resistance [mOhm/ft]	Nominal insulation thickness [mm]	Nominal outer diameter [mm]
92968A.41.10	16/15C STRANDED BC CM							
92977A.41.10	18/2P STRANDED TC CM							
92985A.41.10	22/9C STRANDED CM							
C2461A.41.10	24/2C STRANDED UNSHIELDED CM		0.01	0.16			0.25	3.86
C2464A.41.10	24/5C STRANDED UNSHIELDED CM		0.01	0.19			0.25	4.75
C2461A.41.10M	24/2C STRANDED UNSHIELDED CM		0.01	0.16			0.25	3.86
92980A.41.01	24/3C STRANDED TC CM							
C2462A.48.10	24/3C STRANDED UNSHIELDED CM		0.01	0.17			0.25	4.14
C2462A.41.10	24/3C STRANDED UNSHIELDED CM		0.01	0.17			0.25	4.14
C2463A.21.10	24/4C STRANDED UNSHIELDED CM		0.01	0.18			0.25	4.42

APPLICATION PROPERTIES

Part number	Product name	Conductor resistance at operation temperature [mOhm/ft]	Nominal insulation thickness [inch]	Nominal outer diameter [inch]	Nominal operation capacitance [pF/ft]	Shield DC resistance [mOhm/ft]	Nominal insulation thickness [mm]	Nominal outer diameter [mm]
C2463A.41.10	24/4C STRANDED UNSHIELDED CM		0.01	0.18			0.25	4.42
C2466A.41.10	24/6C STRANDED UNSHIELDED CM		0.01	0.2			0.25	5.08
C2466A.41.10M	24/6C STRANDED UNSHIELDED CM		0.01	0.2			0.25	5.08
C2488A.41.10	24/7C STRANDED UNSHIELDED CM		0.01	0.2			0.25	5.08
C2465A.21.10	24/8C STRANDED UNSHIELDED CM		0.01	0.22			0.25	5.44
C2470A.41.10	24/9C STRANDED UNSHIELDED CM		0.01	0.23			0.25	5.77
C2471A.41.10	24/10C STRANDED UNSHIELDED CM		0.01	0.25			0.25	6.2

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	92968A.41.10	16/15C STRANDED BC CM	US	Distribution products	MTO	175	LBS
	92977A.41.10	18/2P STRANDED TC CM	US	Distribution products	MTO	45	LBS
	92985A.41.10	22/9C STRANDED CM	US	Distribution products	MTO	1	LBS
	C2461A.41.10	24/2C STRANDED UNSHIELDED CM	US	Distribution products	MTS	12	LBS
	C2464A.41.10	24/5C STRANDED UNSHIELDED CM	US	Distribution products	MTS	20	LBS
	C2461A.41.10M	24/2C STRANDED UNSHIELDED CM	US	Distribution products	MTO	19	LBS
	92980A.41.01	24/3C STRANDED TC CM	US	Distribution products	MTO	1	LBS
	C2462A.48.10	24/3C STRANDED UNSHIELDED CM	US	Distribution products	MTO	132	LBS
	C2462A.41.10	24/3C STRANDED UNSHIELDED CM	US	Distribution products	MTS	15	LBS
	C2463A.21.10	24/4C STRANDED UNSHIELDED CM	US	Distribution products	MTO	18	LBS

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C2463A.41.10	24/4C STRANDED UNSHIELDED CM	US	Distribution products	MTS	17	LBS
	C2466A.41.10	24/6C STRANDED UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C2466A.41.10M	24/6C STRANDED UNSHIELDED CM	US	Distribution products	MTO	35	LBS
	C2488A.41.10	24/7C STRANDED UNSHIELDED CM	US	Distribution products	MTO	1	LBS
	C2465A.21.10	24/8C STRANDED UNSHIELDED CM	US	Distribution products	MTS	29	LBS
	C2470A.41.10	24/9C STRANDED UNSHIELDED CM	US	Distribution products	MTO	32	LBS
	C2471A.41.10	24/10C STRANDED UNSHIELDED CM	US	Distribution products	MTO	1	LBS

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
92968A.41.10	16/15C STRANDED BC CM	INCH	20	20	13	1000 FT Reel
92977A.41.10	18/2P STRANDED TC CM	INCH	16	16	14	1000 FT Reel
92985A.41.10	22/9C STRANDED CM	INCH	12	12	11	1000 FT Reel
C2461A.41.10	24/2C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C2464A.41.10	24/5C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C2461A.41.10M	24/2C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
92980A.41.01	24/3C STRANDED TC CM	INCH	12	12	7	1000 FT Reel
C2462A.48.10	24/3C STRANDED UNSHIELDED CM	FOOT	20	15	6	10,000 FT Reel
C2462A.41.10	24/3C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C2463A.21.10	24/4C STRANDED UNSHIELDED CM	FOOT	11	11	9	1000 FT Spool

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C2463A.41.10	24/4C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C2466A.41.10	24/6C STRANDED UNSHIELDED CM	FOOT	12	12	8	1000 FT Reel
C2466A.41.10M	24/6C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C2488A.41.10	24/7C STRANDED UNSHIELDED CM	FOOT	12	12	8	1000 FT Reel
C2465A.21.10	24/8C STRANDED UNSHIELDED CM	FOOT	11	11	11	1000 FT Spool
C2470A.41.10	24/9C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C2471A.41.10	24/10C STRANDED UNSHIELDED CM	FOOT	22	22	11	1000 FT Reel