

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
0.16	Solid	CAROL (R) 22 AWG -- C4008A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464 -- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	Class 1 = solid	22
0.23	7/30	CAROL(R) 22 AWG -- C4065A -- 75C E105765-H CM (UL)C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (seq. footage)	Class 2 = stranded	22
0.25	7/30	NA	Class 2 = stranded	22
0.25	7/30	NA	Class 2 = stranded	22
0.27	7/30	CAROL (R) 22 AWG -- C4071A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (sequential footage)	Class 2 = stranded	22
0.27	7/30	CAROL (R) 22 AWG -- C4071A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (sequential footage)	Class 2 = stranded	22
0.28	7/30	CAROL (R) 22 AWG -- C4067A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code) (sequential footage)	Class 2 = stranded	22
0.31	7/30	NA	Class 2 = stranded	22
0.31	7/30	NA	Class 2 = stranded	22
0.34	7/30	CAROL (R) 22 AWG -- C4075A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ. FT)	Class 2 = stranded	22
0.37	7/30	CAROL(R) 22 AWG -- C4076A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (seq. ft)	Class 2 = stranded	22
0.39	7/30	NA		
0.44	7/30	CAROL ® 22 AWG -- C4078A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	stranded	22

PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C4008A.41.10	22/1P STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4008A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464 -- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	22		2	Gray
C4065A.41.10	22/8C STRANDED TC UNSHIELDED	CAROL(R) 22 AWG -- C4065A -- 75C E105765-H CM (UL)C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (seq. footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow	8	Gray
C4065A.38.10	22/8C STRANDED TC UNSHIELDED	CAROL(R) 22 AWG -- C4065A -- 75C E105765-H CM (UL)C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code - MM/YY) (seq. footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow	8	Gray
C4070A.41.10M	22/9C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple	9	Gray
C4070A.41.10	22/9C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple	9	Gray
C4071A.41.10M	22/10C STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4071A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (sequential footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray	10	Gray
C4071A.41.10	22/10C STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4071A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (sequential footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray	10	Gray
C4067A.41.10	22/12C STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4067A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code) (sequential footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan	12	Gray
C4067A.38.10	22/12C STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4067A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- ROHS -- MADE IN USA (date code) (sequential footage)	22	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan	12	Gray
C4073A.41.10M	22/15C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White	15	Gray

PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C4073A.41.10	22/15C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White	15	Gray
C4073A.18.10	22/15C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White	15	Gray
C4075A.41.10	22/20C STRANDED TC UNSHIELDED CM	CAROL (R) 22 AWG -- C4075A-- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQ. FT)	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White, Black/Red, White/Red, Orange/Red, Blue/Red, Red/Green	20	Gray
C4076A.41.10	22/25C STRANDED TC UNSHIELDED CM	CAROL(R) 22 AWG -- C4076A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (date code) (seq. ft)	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White, Black/Red, White/Red, Orange/Red, Blue/Red, Blue/Red, Red/Green, Orange/Green, Black/White/Red, White/Black/Red, Red/Black/White, Green/Black/White	25	Gray
C4077A.41.10	22/15C STRANDED TC UNSHIELDED CM	NA	22	Black, White, Red, Green Orange, Blue, White/black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White, Black/Red, White/Red, Orange/Red, Red/Green, Orange/Green, Black/White/Red, White/Black/Red, Red/Black/White, Green/Black/White, Orange/Black/White, Blue/Black/White, Black/Red/Green, White/Red/Green, Red/Black/Green	30	Gray
C4078A.41.10	22/40C STRANDED TC UNSHIELDED CM	CAROL ® 22 AWG -- C4078A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 -- CSA LL69381 CMG 60C -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	22	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White, Black/Red, White/Red, Orange/Red, Blue/Red, Red/Green, Orange/Green, Black/White/Red, Red/Black/White, Green/Black/White, Orange/Black/White, Blue/Black/White, Black/Red/Green, White/Red/Green, Red/Black/Green, Green/Black/Orange, Orange/Black/Green, Blue/White/Orange, Black/White/Orange, White/Red/Orange, Orange/White/Blue, W/R/B, B/W/G, W/B/G, R/W/G	40	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]
C4008A.41.10	22/1P STRANDED TC UNSHIELDED CM		0.01	0.16			0.25	3.94
C4065A.41.10	22/8C STRANDED TC UNSHIELDED		0.01	0.23			0.25	5.94
C4065A.38.10	22/8C STRANDED TC UNSHIELDED		0.01	0.23			0.25	5.94
C4070A.41.10M	22/9C STRANDED TC UNSHIELDED CM		0.01	0.25			0.25	6.32
C4070A.41.10	22/9C STRANDED TC UNSHIELDED CM		0.01	0.25			0.25	6.32
C4071A.41.10M	22/10C STRANDED TC UNSHIELDED CM		0.01	0.27			0.25	6.81
C4071A.41.10	22/10C STRANDED TC UNSHIELDED CM		0.01	0.27			0.25	6.81
C4067A.41.10	22/12C STRANDED TC UNSHIELDED CM		0.01	0.28			0.25	7.01
C4067A.38.10	22/12C STRANDED TC UNSHIELDED CM		0.01	0.28			0.25	7.01
C4073A.41.10M	22/15C STRANDED TC UNSHIELDED CM		0.01	0.31			0.25	7.7

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]
C4073A.41.10	22/15C STRANDED TC UNSHIELDED CM		0.01	0.31			0.25	7.7
C4073A.18.10	22/15C STRANDED TC UNSHIELDED CM		0.01	0.31			0.25	7.7
C4075A.41.10	22/20C STRANDED TC UNSHIELDED CM		0.01	0.34			0.25	8.48
C4076A.41.10	22/25C STRANDED TC UNSHIELDED CM		0.01	0.37			0.25	9.35
C4077A.41.10	22/15C STRANDED TC UNSHIELDED CM		0.01	0.39			0.25	9.88
C4078A.41.10	22/40C STRANDED TC UNSHIELDED CM		0.01	0.44			0.25	11.02

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C4008A.41.10	22/1P STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	14	LBS
	C4065A.41.10	22/8C STRANDED TC UNSHIELDED	US	Distribution products	MTS	1	LBS
	C4065A.38.10	22/8C STRANDED TC UNSHIELDED	US	Distribution products	MTO	19	LBS
	C4070A.41.10M	22/9C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	62	LBS
	C4070A.41.10	22/9C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C4071A.41.10M	22/10C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	68	LBS
	C4071A.41.10	22/10C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C4067A.41.10	22/12C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	52	LBS
	C4067A.38.10	22/12C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	26	LBS
	C4073A.41.10M	22/15C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	93	LBS

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C4073A.41.10	22/15C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	62	LBS
	C4073A.18.10	22/15C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	32	LBS
	C4075A.41.10	22/20C STRANDED TC UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C4076A.41.10	22/25C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	1	LBS
	C4077A.41.10	22/15C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	1	LBS
	C4078A.41.10	22/40C STRANDED TC UNSHIELDED CM	US	Distribution products	MTO	144	LBS

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C4008A.41.10	22/1P STRANDED TC UNSHIELDED CM	FOOT	99	99	99	1000 FT Reel
C4065A.41.10	22/8C STRANDED TC UNSHIELDED	FOOT	12	12	11	1000 FT Reel
C4065A.38.10	22/8C STRANDED TC UNSHIELDED	FOOT	11	11	7	500 FT Reel
C4070A.41.10M	22/9C STRANDED TC UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C4070A.41.10	22/9C STRANDED TC UNSHIELDED CM	FOOT	12	12	11	1000 FT Reel
C4071A.41.10M	22/10C STRANDED TC UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C4071A.41.10	22/10C STRANDED TC UNSHIELDED CM	FOOT	12	12	13	1000 FT Reel
C4067A.41.10	22/12C STRANDED TC UNSHIELDED CM	FOOT	14	14	12	1000 FT Reel
C4067A.38.10	22/12C STRANDED TC UNSHIELDED CM	FOOT	11	11	9	500 FT Reel
C4073A.41.10M	22/15C STRANDED TC UNSHIELDED CM	FOOT	14	14	12	1000 FT Reel

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C4073A.41.10	22/15C STRANDED TC UNSHIELDED CM	FOOT	14	14	12	1000 FT Reel
C4073A.18.10	22/15C STRANDED TC UNSHIELDED CM	FOOT	11	11	11	500 FT Spool
C4075A.41.10	22/20C STRANDED TC UNSHIELDED CM	FOOT	16	16	13	1000 FT Reel
C4076A.41.10	22/25C STRANDED TC UNSHIELDED CM	FOOT	16	16	13	1000 FT Reel
C4077A.41.10	22/15C STRANDED TC UNSHIELDED CM	FOOT	18	18	13	1000 FT Reel
C4078A.41.10	22/40C STRANDED TC UNSHIELDED CM	FOOT	18	18	13	1000 FT Reel