

## COMMUNICATION & CONTROL CABLE MULTI-CONDUCTOR UNSH UL.

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
0.24	7/28	NA	Class 2 = stranded	20
0.26	7/28	NA	Class 2 = stranded	20
0.22	7/28	NA	Class 2 = stranded	20
0.28	7/28	NA	Class 2 = stranded	20
0.32	7/28	NA	Class 2 = stranded	20
0.4	7/28	CAROL ® 22 AWG -- C4102A -- CSA C/US LL69381 CMG 105C OR AWM I/II A/B 105C 600V FT4 - - RU AWM STYLE 2464 80C 300V -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	Class 2 = stranded	20

### APPLICATION PROPERTIES

Nominal voltage U [V]	300	Resistant to UV	No
Flame retardant	No	Moisture resistance	No
Halogen free	No	Outdoor installation	No
Low smoke	No	Underground installation	No
Oil resistant	No		

### STANDARDS AND APPROVALS



## PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C6353A.41.10	20/4C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green	2	Gray
C6353A.41.10M	20/4C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green	2	Gray
C6353A.46.10	20/4C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green	2	Gray
C6353A.18.10	20/4C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green	2	Gray
C6355A.41.10	20/5C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown	2	Gray
C6355A.41.10M	20/5C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown	2	Gray
C6352A.41.10	20/3C STRANDED UNSHIELDED CM	NA	20	Black, White, Red	2	Gray
C6352A.41.10M	20/3C STRANDED UNSHIELDED CM	NA	20	Black, White, Red	2	Gray
C6356A.41.10	20/7C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown, Blue, Orange	7	Gray
C6356A.38.10	20/7C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown, Blue, Orange	7	Gray

## PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C6357A.41.10	20/9C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple	9	Gray
C6357A.41.10M	20/9C STRANDED UNSHIELDED CM	NA	20	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple	9	Gray
C6358A.41.10	20/15C STRANDED UNSHIELDED CM	CAROL ® 22 AWG -- C4102A -- CSA C/US LL69381 CMG 105C OR AWM I/II A/B 105C 600V FT4 - - RU AWM STYLE 2464 80C 300V -- MADE IN USA (DATE CODE) (SEQUENTIAL FOOTAGE)	20	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

## 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]
C6353A.41.10	20/4C STRANDED UNSHIELDED CM		0.016	0.24			0.41	5.97
C6353A.41.10M	20/4C STRANDED UNSHIELDED CM		0.016	0.24			0.41	5.97
C6353A.46.10	20/4C STRANDED UNSHIELDED CM		0.016	0.24			0.41	5.97
C6353A.18.10	20/4C STRANDED UNSHIELDED CM		0.016	0.24			0.41	5.97
C6355A.41.10	20/5C STRANDED UNSHIELDED CM		0.016	0.26			0.41	6.46
C6355A.41.10M	20/5C STRANDED UNSHIELDED CM		0.016	0.26			0.41	6.46
C6352A.41.10	20/3C STRANDED UNSHIELDED CM		0.016	0.22			0.41	5.5
C6352A.41.10M	20/3C STRANDED UNSHIELDED CM		0.016	0.22			0.41	5.5
C6356A.41.10	20/7C STRANDED UNSHIELDED CM		0.016	0.28			0.41	6.99
C6356A.38.10	20/7C STRANDED UNSHIELDED CM		0.016	0.28			0.41	6.99

## 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]
C6357A.41.10	20/9C STRANDED UNSHIELDED CM		0.016	0.32			0.41	8.05
C6357A.41.10M	20/9C STRANDED UNSHIELDED CM		0.016	0.32			0.41	8.05
C6358A.41.10	20/15C STRANDED UNSHIELDED CM		0.016	0.4			0.41	9.96

## PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C6353A.41.10	20/4C STRANDED UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C6353A.41.10M	20/4C STRANDED UNSHIELDED CM	US	Distribution products	MTO	59	LBS
	C6353A.46.10	20/4C STRANDED UNSHIELDED CM	US	Distribution products	MTO	159	LBS
	C6353A.18.10	20/4C STRANDED UNSHIELDED CM	US	Distribution products	MTO	17	LBS
	C6355A.41.10	20/5C STRANDED UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C6355A.41.10M	20/5C STRANDED UNSHIELDED CM	US	Distribution products	MTO	1	LBS
	C6352A.41.10	20/3C STRANDED UNSHIELDED CM	US	Distribution products	MTS	1	LBS
	C6352A.41.10M	20/3C STRANDED UNSHIELDED CM	US	Distribution products	MTO	41	LBS
	C6356A.41.10	20/7C STRANDED UNSHIELDED CM	US	Distribution products	MTS	52	LBS
	C6356A.38.10	20/7C STRANDED UNSHIELDED CM	US	Distribution products	MTO	26	LBS

## PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C6357A.41.10	20/9C STRANDED UNSHIELDED CM	US	Distribution products	MTS	64	LBS
	C6357A.41.10M	20/9C STRANDED UNSHIELDED CM	US	Distribution products	MTO	96	LBS
	C6358A.41.10	20/15C 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
C6353A.41.10	20/4C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C6353A.41.10M	20/4C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C6353A.46.10	20/4C STRANDED UNSHIELDED CM	FOOT	24	24	13	5000 FT Reel
C6353A.18.10	20/4C STRANDED UNSHIELDED CM	FOOT	11	11	7	500 FT Spool
C6355A.41.10	20/5C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C6355A.41.10M	20/5C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C6352A.41.10	20/3C STRANDED UNSHIELDED CM	FOOT	12	12	7	1000 FT Reel
C6352A.41.10M	20/3C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C6356A.41.10	20/7C STRANDED UNSHIELDED CM	FOOT	14	14	12	1000 FT Reel
C6356A.38.10	20/7C STRANDED UNSHIELDED CM	FOOT	11	11	9	500 FT Reel



## PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C6357A.41.10	20/9C STRANDED UNSHIELDED CM	FOOT	14	14	12	1000 FT Reel
C6357A.41.10M	20/9C STRANDED UNSHIELDED CM	FOOT	22	20	1	1000 FT Reel
C6358A.41.10	20/15C STRANDED UNSHIELDED CM	FOOT	18	18	13	1000 FT Reel