

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
0.22	7/30	NA	Class 2 = stranded	22
0.21	7/30	NA	Class 2 = stranded	22
0.18	7/30	NA	Class 2 = stranded	22
0.19	7/30	NA	Class 2 = stranded	22
0.19	7/30	NA	Class 2 = stranded	22
0.21	7/30	NA	Class 2 = stranded	22

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
C4066A.41.10	22/6C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue	2	Gray
C4066A.38.10M	22/6C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue	2	Gray
C4066A.46.10	22/6C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue	2	Gray
C4066A.38.10	22/6C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue	2	Gray
C4064A.41.10	22/5C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown	2	Gray
C4064A.41.10M	22/5C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown	2	Gray
C4064A.38.10	22/5C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown	2	Gray
C4062A.41.10	22/3C STRANDED TC UNSHIELDED	NA	22	Black, White, Red	2	Gray
C4062A.41.10M	22/3C STRANDED TC UNSHIELDED	NA	22	Black, White, Red	2	Gray
C4062A.18.10	22/3C STRANDED TC UNSHIELDED	NA	22	Black, White, Red	2	Gray

PRODUCT DETAILS

Part number	Product name	Cable marking	AWG size	Core colors	Number of cores	Color outer jacket
C4063A.41.10	22/4C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green	2	Gray
C4063A.18.10	22/4C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green	2	Gray
C4063A.41.01	22/4C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green	4	Black
C4088A.21.10	22/7C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue, Orange	7	Gray
C4088A.41.10	22/7C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue, Orange	7	Gray
C4088A.41.10M	22/7C STRANDED TC UNSHIELDED	NA	22	Black, White, Red, Green, Brown, Blue, Orange	7	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]
C4066A.41.10	22/6C STRANDED TC UNSHIELDED		0.01	0.22			0.25	5.54
C4066A.38.10M	22/6C STRANDED TC UNSHIELDED		0.01	0.22			0.25	5.54
C4066A.46.10	22/6C STRANDED TC UNSHIELDED		0.01	0.22			0.25	5.54
C4066A.38.10	22/6C STRANDED TC UNSHIELDED		0.01	0.22			0.25	5.54
C4064A.41.10	22/5C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.16
C4064A.41.10M	22/5C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.16
C4064A.38.10	22/5C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.16
C4062A.41.10	22/3C STRANDED TC UNSHIELDED		0.01	0.18			0.25	4.47
C4062A.41.10M	22/3C STRANDED TC UNSHIELDED		0.01	0.18			0.25	4.47
C4062A.18.10	22/3C STRANDED TC UNSHIELDED		0.01	0.18			0.25	4.47

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]
C4063A.41.10	22/4C STRANDED TC UNSHIELDED		0.01	0.19			0.25	4.8
C4063A.18.10	22/4C STRANDED TC UNSHIELDED		0.01	0.19			0.25	4.8
C4063A.41.01	22/4C STRANDED TC UNSHIELDED		0.01	0.19			0.25	4.8
C4088A.21.10	22/7C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.54
C4088A.41.10	22/7C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.54
C4088A.41.10M	22/7C STRANDED TC UNSHIELDED		0.01	0.21			0.25	5.54

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C4066A.41.10	22/6C STRANDED TC UNSHIELDED	US	Distribution products	MTS	30	LBS
	C4066A.38.10M	22/6C STRANDED TC UNSHIELDED	US	Distribution products	MTO	23	LBS
	C4066A.46.10	22/6C STRANDED TC UNSHIELDED	US	Distribution products	MTO	142	LBS
	C4066A.38.10	22/6C STRANDED TC UNSHIELDED	US	Distribution products	MTO	15	LBS
	C4064A.41.10	22/5C STRANDED TC UNSHIELDED	US	Distribution products	MTS	26	LBS
	C4064A.41.10M	22/5C STRANDED TC UNSHIELDED	US	Distribution products	MTO	38	LBS
	C4064A.38.10	22/5C STRANDED TC UNSHIELDED	US	Distribution products	MTO	14	LBS
	C4062A.41.10	22/3C STRANDED TC UNSHIELDED	US	Distribution products	MTS	1	LBS
	C4062A.41.10M	22/3C STRANDED TC UNSHIELDED	US	Distribution products	MTO	305	LBS
	C4062A.18.10	22/3C STRANDED TC UNSHIELDED	US	Distribution products	MTO	9	LBS

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C4063A.41.10	22/4C STRANDED TC UNSHIELDED	US	Distribution products	MTS	21	LBS
	C4063A.18.10	22/4C STRANDED TC UNSHIELDED	US	Distribution products	MTO	11	LBS
	C4063A.41.01	22/4C STRANDED TC UNSHIELDED	US	Distribution products	MTO	21	LBS
	C4088A.21.10	22/7C STRANDED TC UNSHIELDED	US	Distribution products	MTO	32	LBS
	C4088A.41.10	22/7C STRANDED TC UNSHIELDED	US	Distribution products	MTS	33	LBS
	C4088A.41.10M	22/7C STRANDED TC UNSHIELDED	US	Distribution products	MTO	48	LBS

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C4066A.41.10	22/6C STRANDED TC UNSHIELDED	FOOT	12	12	7	1000 FT Reel
C4066A.38.10M	22/6C STRANDED TC UNSHIELDED	FOOT	22	20	1	500 FT Reel
C4066A.46.10	22/6C STRANDED TC UNSHIELDED	FOOT	99	99	99	5000 FT Reel
C4066A.38.10	22/6C STRANDED TC UNSHIELDED	FOOT	99	99	99	500 FT Reel
C4064A.41.10	22/5C STRANDED TC UNSHIELDED	FOOT	12	12	11	1000 FT Reel
C4064A.41.10M	22/5C STRANDED TC UNSHIELDED	FOOT	22	20	1	1000 FT Reel
C4064A.38.10	22/5C STRANDED TC UNSHIELDED	FOOT	12	12	6	500 FT Reel
C4062A.41.10	22/3C STRANDED TC UNSHIELDED	FOOT	12	12	7	1000 FT Reel
C4062A.41.10M	22/3C STRANDED TC UNSHIELDED	FOOT	22	20	1	1000 FT Reel
C4062A.18.10	22/3C STRANDED TC UNSHIELDED	FOOT	7	7	11	500 FT Spool

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C4063A.41.10	22/4C STRANDED TC UNSHIELDED	FOOT	12	12	7	1000 FT Reel
C4063A.18.10	22/4C STRANDED TC UNSHIELDED	FOOT	7	7	11	500 FT Spool
C4063A.41.01	22/4C STRANDED TC UNSHIELDED	FOOT	99	99	9	1000 FT Reel
C4088A.21.10	22/7C STRANDED TC UNSHIELDED	FOOT	11	11	11	1000 FT Spool
C4088A.41.10	22/7C STRANDED TC UNSHIELDED	FOOT	11	11	11	1000 FT Reel
C4088A.41.10M	22/7C STRANDED TC UNSHIELDED	FOOT	22	20	1	1000 FT Reel