

COMMUNICATION & CONTROL CABLE MULTI-PAIRED SHIELDED CM

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
0.45	7/28	NA	Class 2 = stranded	20
0.34	7/28	CAROL(R) 20 AWG -- C6052A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE -- CSA LL69381 CMH (date code - MM/YY) (seq. ft mark)	Class 2 = stranded	20
0.45	7/28	NA	Class 2 = stranded	20

APPLICATION PROPERTIES

Nominal voltage U [V]	30	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
C6053A.41.10M	20/6P STRANDED IND SHIELDED CM	NA	20	Black/Red, Black/White, Black/Green, Black/Blue, Black/Yellow, Black/Brown	6	Gray
C6052A.41.10	20/3P STRANDED IND SHIELDED CM	CAROL(R) 20 AWG -- C6052A -- 75C E105765-H CM (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE -- CSA LL69381 CMH (date code - MM/YY) (seq. ft mark)	20	Black/Red, Black/White, Black/Green	6	Gray
C6053A.41.10	20/6P STRANDED IND SHIELDED CM	NA	20	Black/Red, Black/White, Black/Green, Black/blue, Black/Yellow, Black/Brown	12	Gray
C6053A.38.10	20/6P STRANDED IND SHIELDED CM	NA	20	Black/Red, Black/White, Black/Green, Black/blue, Black/Yellow, Black/Brown	12	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]
C6053A.41.10M	20/6P STRANDED IND SHIELDED CM		0.013	0.45		10.2	0.33	11.33
C6052A.41.10	20/3P STRANDED IND SHIELDED CM		0.013	0.34		10.2	0.33	8.61
C6053A.41.10	20/6P STRANDED IND SHIELDED CM		0.013	0.45		10.2	0.33	11.33
C6053A.38.10	20/6P STRANDED IND SHIELDED CM		0.013	0.45		10.2	0.33	11.33

PRODUCT DETAILS

SPEC number	Part number	Product name	Country of origin	Distribution type	Stock item	Net weight	Weight unit
	C6053A.41.10M	20/6P STRANDED IND SHIELDED CM	US	Distribution products	MTO	46	LBS
	C6052A.41.10	20/3P STRANDED IND SHIELDED CM	US	Distribution products	MTO	56	LBS
	C6053A.41.10	20/6P STRANDED IND SHIELDED CM	US	Distribution products	MTO	1	LBS
	C6053A.38.10	20/6P STRANDED IND SHIELDED CM	US	Distribution products	MTO	49	LBS

PRODUCT PACKAGING

Part number	Product name	Packaging unit	Packaging length	Packaging width	Packaging height	Put up
C6053A.41.10M	20/6P STRANDED IND SHIELDED CM	FOOT	22	20	1	1000 FT Reel
C6052A.41.10	20/3P STRANDED IND SHIELDED CM	FOOT	16	16	12	1000 FT Reel
C6053A.41.10	20/6P STRANDED IND SHIELDED CM	FOOT	16	16	14	1000 FT Reel
C6053A.38.10	20/6P STRANDED IND SHIELDED CM	FOOT	14	14	13	500 FT Reel