



# Multi-Conductor Unshielded Communication and Control Cable 20-24 AWG

## Description

Sycor's Multi-Conductor Unshielded communication and control cable has stranded tinned copper conductors and overall PVC jacket. Sycor's Multi-Conductor Unshielded communication and control cable can be used for a number of different applications and is able to last for very long periods of time. The cable is also flexible making it easy to install in either outdoor or indoor settings.

## Construction

Stranded tinned copper conductors,  
Color coded Semi-Rigid Polyvinyl Chloride (SR PVC)  
insulation.  
Overall Polyvinyl Chloride jacket (PVC)

## Approvals May Include

CSA AWM CMG FT4  
UL AWM CM UL 2464, 2509, 2576  
NEC Article SOO Type CM  
CSA FT4 Vertical Flame Test  
UL 70,000 BTU, UL 1685 Vertical Tray



## Application

Sycor's Multi-Conductor Unshielded communication and control cable is generally used for applications involving professional audio, video and intercom systems. Multi-Conductor Unshielded communication and control cable has a vast amount of different applications including security systems, intercom and PA systems, sound and audio systems, power limited controls, paging systems, nurse call station and many more.

## Temperature Rating

CSA -20°C to 105°C (CMG -20°C to 60°C)  
UL -20°C to 80°C (AWM)  
-20°C to 75°C (CM)  
-20°C to 60°C (CMG)

## Voltage Rating

CSA - 600 Volts  
UL - 300 Volts

Color Chart 1		Color Chart #2			
Cond. #	Color	Cond. #	Color	Cond. #	Color
1	Black	1	Black	26	Orange/Black/White
2	White	2	White	27	Blue/Black/White
3	Red	3	Red	28	Black/Red/Green
4	Green	4	Green	29	White/Red/Green
5	Brown	5	Orange	30	Red/Black/Green
6	Blue	6	Blue	31	Green/Black/Orange
7	Orange	7	White/Black	32	Orange/Black Green
8	Yellow	8	Red/Black	33	Blue/White/Orange
9	Purple	9	Green/Black	34	Black/White/Orange
10	Grey	10	Orange/Black	35	White/Red/Orange
11	Pink	11	Blue/Black	36	Orange/White/Blue
12	Tan	12	Black/White	37	White/Red/Blue
		13	Red/White	38	Black/White/Green
		14	Green/White	39	White/Black/green
		15	Blue/White	40	Red/White/Green
		16	Black/Red	41	Green/White/Blue
		17	White/Red	42	Orange/Red/Green
		18	Orange/Red	43	Blue/Red/Green
		19	Blue/Red	44	Black/White/Blue
		20	Red/Green	45	White/Black/Blue
		21	Orange/Green	46	Red/White/Blue
		22	Black/White/Red	47	Green/Orange/Red
		23	White/Black/Red	48	Orange/Red/Blue
		24	Red/Black/White	49	Blue/Red/Orange
		25	Green/Black/White	50	Black/Orange/Red

Sycor Part No	No of Con.	Size AWG	Stranding	Insulation Thick.	Jacket Thickness	N.O.M O.D.	Weight #/MFT	Color Code
SCX100-2402	2	24	7/32	0.009"	0.015"	0.125"	10	1
SCX100-2403	3	24	7/32	0.009"	0.015"	0.130"	12	1
SCX100-2404	4	24	7/32	0.009"	0.015"	0.145"	16	1
SCX100-2405	5	24	7/32	0.009"	0.023"	0.155"	20	1
SCX100-2406	6	24	7/32	0.009"	0.023"	0.174"	27	1
SCX100-2407	7	24	7/32	0.009"	0.023"	0.188"	31	1
SCX100-2408	8	24	7/32	0.009"	0.023"	0.200"	34	1
SCX100-2409	9	24	7/32	0.009"	0.023"	0.212"	38	1
SCX100-2410	10	24	7/32	0.009"	0.023"	0.225"	43	1
SCX100-2202	2	22	7/30	0.010"	0.015"	0.131"	12	Blk/Red
SCX100-2203	3	22	7/30	0.010"	0.015"	0.139"	14	Blk/Red/Grn
SCX100-2204	4	22	7/30	0.010"	0.015"	0.152"	18	1
SCX100-2205	5	22	7/30	0.010"	0.015"	0.160"	22	1
SCX100-2206	6	22	7/30	0.010"	0.023"	0.192"	32	1
SCX100-2207	7	22	7/30	0.010"	0.023"	0.203"	34	1
SCX100-2208	8	22	7/30	0.010"	0.023"	0.215"	38	1
SCX100-2209	9	22	7/30	0.010"	0.023"	0.225"	42	1
SCX100-2210	10	22	7/30	0.010"	0.023"	0.234"	46	1
SCX100-2212	12	22	7/30	0.010"	0.023"	0.251"	54	1
SCX100-2215	15	22	7/30	0.010"	0.023"	0.275"	64	2
SCX100-2216	16	22	7/30	0.010"	0.030"	0.285"	68	2
SCX100-2220	20	22	7/30	0.010"	0.030"	0.323"	86	2
SCX100-2225	25	22	7/30	0.010"	0.030"	0.354"	104	2
SCX100-2230	30	22	7/30	0.010"	0.030"	0.381"	124	2
SCX100-2240	40	22	7/30	0.010"	0.030"	0.432"	158	2
SCX100-2250	50	22	7/30	0.010"	0.030"	0.493"	194	2
SCX100-2002	2	20	7/28	0.010"	0.015"	0.146"	14	Blk/Red
SCX100-2003	3	20	7/28	0.010"	0.015"	0.154"	18	1 or Blk/Red/Grn
SCX100-2004	4	20	7/28	0.010"	0.023"	0.189"	30	1
SCX100-2005	5	20	7/28	0.010"	0.023"	0.197"	34	1
SCX100-2007	7	20	7/28	0.010"	0.023"	0.225"	46	1
SCX100-2009	9	20	7/28	0.010"	0.023"	0.249"	56	1
SCX100-2012	12	20	7/28	0.010"	0.023"	0.279"	70	1
SCX100-2015	15	20	7/28	0.010"	0.030"	0.306"	84	2
SCX100-2019	19	20	7/28	0.010"	0.030"	0.338"	106	2
SCX100-2025	25	20	7/28	0.010"	0.030"	0.380"	132	2

## Value Added Services



Cutting



Re-Spooling

## Notes/Options

See Cable assembly for information on finished cables.  
For AWG sizes 10-18 please see other chart.

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