

UL2464-SX (LG), UL2570-SX (LG)

Conformity standard **UL 758**



*Photo of UL2464-SX (FA)

Features

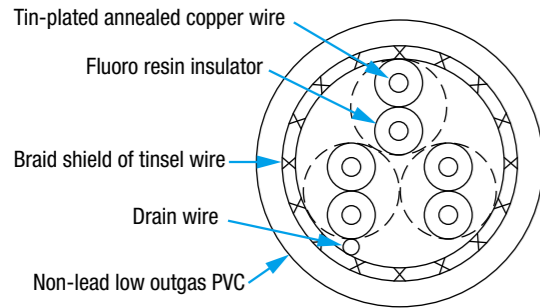
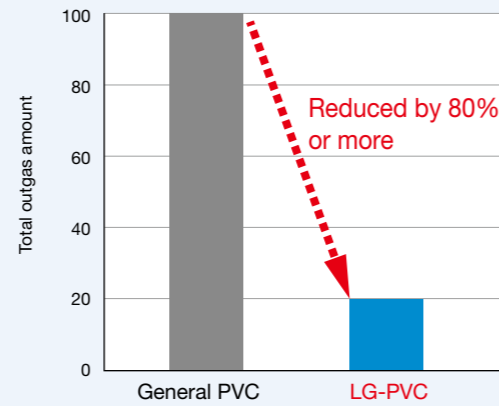
- Reduces the dispersion of volatile gas components generated from electric wire coating material by using our original mixing technique.
- Can handle specified heat resistance up to 105°C.

Use

- Power supply and signal transmission in clean environments such as semiconductor manufacturing facilities

At least 80% of the amount of outgas is reduced as compared with a general PVC sheath.

*Assuming the outgas amount of general PVC to be 100



Example of cable structure

Characteristics

- Rating temperature: 80°C
- Withstand voltage: 2,000 VAC/5 min
- Rating voltage: 300 V (UL2464)
- Min. insulating resistance (at 20°C): 1,000 MΩ·km
- 600 V (UL2570)



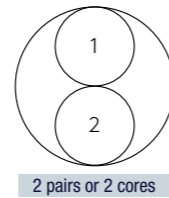
Wire core identification

Multiple pair type

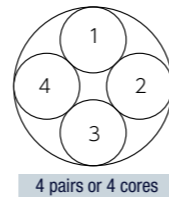
Pair No.	Insulator color		Pair No.	Insulator color	
	Wire core No. 1	Wire core No. 2		Wire core No. 1	Wire core No. 2
1	Black	Brown	11	Brown	Orange
2	Black	Red	12	Brown	Yellow
3	Black	Orange	13	Brown	Green
4	Black	Yellow	14	Brown	Blue
5	Black	Green	15	Brown	Purple
6	Black	Blue	16	Brown	Gray
7	Black	Purple	17	Brown	White
8	Black	Gray	18	Red	Orange
9	Black	White	19	Red	Yellow
10	Brown	Red	20	Red	Green

Multiple core type

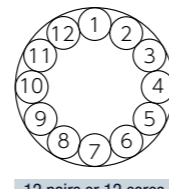
Wire core No.	Insulator color	Wire core No.	Insulator color
1	Black	11	Black
2	White	12	White
3	Red	13	Red
4	Green	14	Green
5	Yellow	15	Yellow
6	Brown	16	Brown
7	Blue	17	Blue
8	Orange	18	Orange
9	Gray	19	Gray
10	Purple	20	Purple



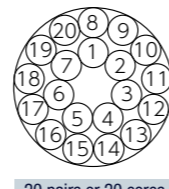
2 pairs or 2 cores



4 pairs or 4 cores



12 pairs or 12 cores



20 pairs or 20 cores

Cable structure and performance

Multiple pair type of UL2464-SX (LG)

AWG size	Conductor		Insulator		Max. conductor resistance (at 20 °C) (Ω/km)	No. of pairs	Finished outer diameter (mm)	Approx. mass (kg/km)	Allowable current (A)	Bending radius (mm)						
	Configuration (No./No./mm)	Outer diameter (mm)	Standard thickness (mm)	Outer diameter (mm)												
28 (0.09mm ²)	19/0.08	0.4	0.2	0.8	220	2	5.7	40	3.5	35						
						3	5.9	45	3.0	36						
						4	6.3	50	2.6	38						
						5	6.7	58	2.4	41						
						6	7.1	64	2.3	43						
						7	7.5	70	2.2	45						
						8	8.0	77	2.1	48						
						10	8.8	90	1.9	53						
						12	9.9	110	1.8	60						
						15	9.7	115	1.6	59						
						20	10.6	140	1.5	64						
						26 (0.15mm ²)	30/0.08	0.51	0.2	0.91	139	2	6.1	40	4.6	37
												3	6.4	45	3.8	39
												4	6.8	51	3.4	41
												5	7.3	59	3.2	44
6	7.7	67	3.0	47												
7	8.1	75	2.8	49												
8	8.7	85	2.7	53												
10	9.7	105	2.5	59												
12	10.7	125	2.4	65												
15	10.6	130	2.1	64												
20	11.7	160	1.9	71												
25 (0.2mm ²)	40/0.08	0.58	0.2	0.98	105							2	6.3	44	5.4	38
												3	6.6	50	4.5	40
												4	7.1	60	4.0	43
												5	7.6	70	3.7	46
						6	8.0	75	3.5	48						
						7	8.6	85	3.3	52						
						8	9.1	100	3.2	55						
						10	10.2	120	3.0	62						
						12	11.3	140	2.8	68						
						15	11.2	155	2.5	68						
						20	12.4	190	2.3	75						
						23 (0.3mm ²)	60/0.08	0.72	0.2	1.12	69.5	2	6.9	51	6.9	42
												3	7.2	60	5.8	44
												4	7.7	71	5.2	47
												5	8.3	85	4.7	50
6	8.8	95	4.5	53												
7	9.4	110	4.2	57												
8	10.1	125	4.1	61												
10	11.3	150	3.8	68												
12	13.0	190	3.7	78												
15	12.8	205	3.2	77												
20	14.1	255	2.9	85												

Multiple core type of UL2570-SX (LG)

AWG size	Conductor		Insulator		Max. conductor resistance (at 20 °C) (Ω/km)	No. of wire cores	Finished outer diameter (mm)	Approx. mass (kg/km)	Allowable current (A)	Bending radius (mm)						
	Configuration (No./No./mm)	Outer diameter (mm)	Standard thickness (mm)	Outer diameter (mm)												
25 (0.2mm ²)	40/0.08	0.58	0.2	0.98	105	2	4.7	26	5.4	29						
						3	4.9	30	4.5	30						
						4	5.1	35	4.0	31						
						6	5.7	45	3.5	35						
						8	6.3	55	3.2	38						
						10	6.9	65	3.0	42						
						12	7.3	81	2.8	44						
						23 (0.3mm ²)	60/0.08	0.72	0.2	1.12	69.5	2	5.0	30	6.9	30
												3	5.2	35	5.8	32
												4	5.5	40	5.2	33
6	6.1	53	4.5	37												
8	6.8	66	4.1	41												
10	7.5	80	3.8	45												
12	8.2	95	3.7	50												

*The finished outer diameter without a shield is 0.6 mm smaller than the above-mentioned value. For approximate mass, contact our salesperson in charge.

*The above-mentioned structure is a representative example. For other sizes and combinations, contact our salesperson in charge.

*The allowable current in the table above is of a value at ambient temperature of 40°C for single line wiring in air.

Example of product designation

UL2464-SX (LG) 4P X 23AWG (60/0.08)

