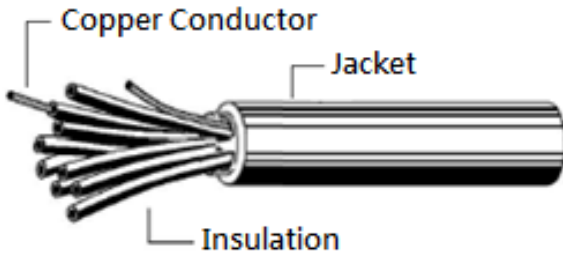


Multi-Conductor

UL2464

General Type



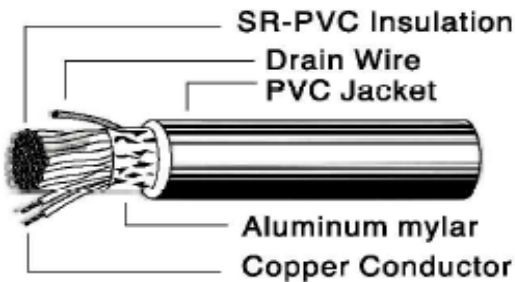
Description:

1. Tinned stranded copper conductor
2. Color-coded PVC or semi-rigid PVC insulation
3. PVC jacket unpaired computer and data transmission
4. Rated temperature: 80°C
5. Rated voltage: 300V
6. Pass VW-1 SC vertical flame test
7. CL3 approval

Application:

Sound broadcast, audio, instrumentation and computer cable for EIA RS-232 applications.

Foil-Shield Type



Description:

1. Tinned stranded copper conductor
2. Color-coded PVC or semi-rigid PVC insulation
3. Cores cable under aluminium mylar shield
4. Tinned stranded copper drain wire
5. PVC jacket unpaired computer and data transmission cable
6. Rated temperature: 80°C
7. Rated voltage: 300V
8. Pass VW-1 SC vertical flame test
9. CL3 approval

Application:

Computer cable for EIA RS-232 and CDA/CAM applications

Type	Insulation marking															
UL2464 Dot/color marking	#	1	2	3	4	5	6	7	8	9	10	11	12	13		
	Color	RD	WH	BK	GR	YE	BL	GA	OR	VI	BR	PK	LG	LB		
	#	14	15	16	17	18	19	20	21	22	23	24	25			
	Color	RD/BK	WH/BK	GR/BK	YE/BK	BL/BK	GA/BK	OR/BK	VI/BK	BR/BK	PK/BK	LG/BK	LB/BK			
	30 C	WH (BK1-5dot、RD1-5dot)、PK(BK1-5dot、RD1-5dot)、YE(BK1-5dot、RD1-5dot)														
	40 C	WH (BK1-5dot、RD1-5dot)、PK (BK1-5dot、RD1-5dot)、YE (BK1-5dot、RD1-5dot)、LG (BK1-5dot、RD1-5dot)														
	50 C	WH (BK1-5dot、RD1-5dot)、PK (BK1-5dot、RD1-5dot)、YE (BK1-5dot、RD1-5dot)、LG (BK1-5dot、RD1-5dot)、GA (BK1-5dot、RD1-5dot)														
	*	1 dot	■				■				■					
		2 dot	■ ■				■ ■				■ ■					
		3 dot	■ ■ ■				■ ■ ■				■ ■ ■					
4 dot		■ ■ ■ ■				■ ■ ■ ■				■ ■ ■ ■						
5 dot		■■■■■■■■■■				■■■■■■■■■■				■■■■■■■■■■						

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)					
28	7/0.127	2	0.25	0.9	0.8	3.5
		3			0.8	3.7
		4			0.8	3.9
		5			0.8	4.2
		6			0.9	4.5
		7			0.9	4.5
		8			0.9	4.8
		9			0.9	5.1
		10			0.9	5.4
		12			0.9	5.6
		13			0.9	5.6
		14			0.8	5.6
		15			0.9	5.8
		16			0.8	5.8
		20			1.1	6.5
		25			1.1	6.8
		30			1.1	7.6
37	1.2	8.3				
40	1.2	9.1				
50	1.2	9.5				
26	7/0.16	2	0.25	1.0	0.8	3.7
		3			0.8	3.9
		4			0.9	4.2
		5			0.9	4.5
		6			0.9	4.8
		7			0.9	4.8
		8			0.9	5.1
		9			0.9	5.4
		10			0.9	5.7
		12			0.9	5.9
		13			0.9	5.9
		14			0.9	6.0
		15			1.0	6.4
		16			1.0	6.6
		20			1.2	7.0
		25			1.4	8.0
		30			1.4	8.8
37	1.4	9.2				
40	1.4	10.0				
50	1.2	10.4				

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)					
24	7/0.203	2	0.25	1.1	0.8	4.0
		3			0.8	4.2
		4			0.8	4.5
		5			0.8	4.9
		6			0.9	5.2
		7			0.9	5.2
		8			0.9	5.5
		9			0.9	5.8
		10			0.9	6.2
		12			0.9	6.4
		13			0.9	6.4
		14			0.9	6.8
		15			1.0	6.9
		16			1.0	7.1
		20			1.3	7.8
		25			1.4	8.6
		22			17/0.16	2
3	0.8		4.7			
4	0.9		5.1			
5	1.0		5.5			
6	1.0		5.8			
7	1.0		5.8			
8	1.0		6.3			
9	1.0		6.7			
10	0.8		6.8			
12	0.9		7.2			
13	0.9		7.2			
14	0.9		7.7			
15	1.0		7.8			
16	1.0		8.0			
20	1.4		9.0			
25	1.6		10.0			
30	1.5		10.8			
37	1.5	11.3				
40	1.4	12.2				
50	1.3	12.9				

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness	Insulation Diameter	Jacket Thickness	Overall Diameter
(Sec. area)	(No./mm)		(mm)	(mm)	(mm)	(mm)
20	21/0.18	2	0.25	1.5	0.8	4.8
		3			0.9	5.1
		4			0.9	5.5
		5			0.9	6.0
		6			0.9	6.4
		7			0.9	6.4
		8			0.9	6.9
		9			1.0	7.4
		10			1.0	8.0
		12			1.0	8.3
		13			1.0	8.3
		14			1.0	8.4
		15			1.0	8.7
		16			1.0	8.9
		20			1.0	9.2
		25			1.1	10.0
		30			1.2	11.4
37	1.2	12.1				
40	1.4	13.8				
50	1.5	15.0				
20	21/0.18	2	0.4	1.8	0.8	5.4
		3			0.8	5.7
		4			0.8	6.2
		5			0.9	6.7
		6			0.9	7.2
		7			0.9	7.2
		8			0.9	7.8
		9			0.9	8.4
		10			1.0	9.1
		12			1.0	9.4
		13			1.0	9.4
		14			1.0	9.6
		15			1.0	10.0
		16			1.0	10.3
		20			1.0	10.6
		25			1.2	11.7
		30			1.4	13.5
37	1.5	14.5				
40	1.7	16.5				
50	1.8	18.0				

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)					
18	34/0.18	2	0.4	2.0	0.9	5.8
		3			0.9	6.0
		4			0.9	6.6
		5			0.9	7.2
		6			0.9	7.8
		7			0.9	7.8
		8			0.9	8.4
		9			1.0	9.1
		10			1.0	10.0
		12			1.0	10.4
		13			1.0	10.4
		14			1.1	10.6
		15			1.2	11.2
		16			1.2	11.5
		20			1.2	11.8
		25			1.3	13.0
		30			1.5	15.0
37	1.7	16.2				
40	1.9	18.3				
50	2.0	20.0				

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness	Insulation Diameter	Jacket Thickness	Overall Diameter
(Sec. area)	(No./mm)		(mm)	(mm)	(mm)	(mm)
28	7/0.127	2	0.25	0.9	0.8	4.7
		3			0.8	5.1
		4			0.8	5.5
		5			0.9	6.1
		6			0.9	6.5
		7			1.0	6.7
		8			1.0	7.1
		9			1.0	7.6
		10			1.0	8.1
		12			1.0	8.6
		15			1.1	9.2
		16			1.2	9.5
		19			1.2	10.0
		20			1.2	10.3
25	1.2	11.5				
26	7/0.16	2	0.25	1.0	0.8	5.0
		3			0.8	5.5
		4			0.8	5.9
		5			0.9	6.6
		6			0.9	7.0
		7			1.0	7.2
		8			1.0	7.7
		9			1.0	8.2
		10			1.0	8.7
		12			1.0	9.3
		15			1.0	9.9
		16			1.1	10.2
		19			1.1	10.8
		20			1.2	11.2
25	1.3	12.6				
24	7/0.203	2	0.25	1.1	0.8	5.2
		3			0.8	5.8
		4			0.9	6.3
		5			0.9	7.0
		6			1.0	7.6
		7			1.0	7.8
		8			1.3	8.8
		9			1.3	9.3
		10			1.5	10.3
		12			1.5	10.9
		15			1.5	11.6
		16			1.5	11.9
		19			1.6	12.7
		20			1.6	13.0
25	1.6	14.4				

Multi-Conductor

UL2464

General Type & Foil-Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)					
22	17/0.16	2	0.25	1.3	0.8	5.8
		3			0.8	6.5
		4			0.8	7.1
		5			0.9	8.0
		6			0.9	8.6
		7			0.9	8.6
		8			1.3	10.0
		9			1.3	10.6
		10			1.5	11.6
		12			1.5	12.4
		15			1.5	13.2
		16			1.5	13.5
		19			1.6	14.4
		20			1.6	14.8
20	21/0.18	2	0.25	1.5	0.9	6.7
		3			0.9	7.4
		4			1.0	8.1
		5			1.0	9.1
		6			1.0	9.7
		7			1.0	9.9
		8			1.1	10.6
		9			1.2	11.5
		10			1.3	12.4
		12			1.4	13.5
		15			1.5	14.6
		16			1.6	15.0
		19			1.6	16.0
		20			1.7	16.6
20	21/0.18	2	0.4	1.8	0.9	7.6
		3			0.9	8.4
		4			0.9	9.2
		5			1.0	10.6
		6			1.2	11.5
		7			1.2	11.8
		8			1.3	12.8
		9			1.4	13.8
		10			1.5	14.9
		12			1.6	16.1
		15			1.8	17.5
		16			1.8	18.0
		19			1.9	19.2
		20			2.0	19.9
25	2.3	22.8				

Multi-Conductor

UL2464

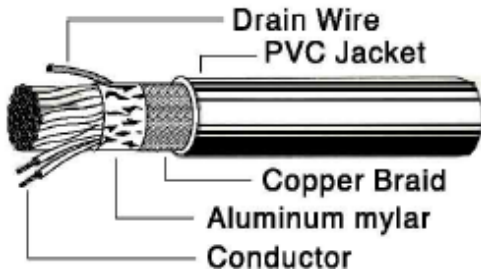
General Type & Foil-Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness	Insulation Diameter	Jacket Thickness	Overall Diameter
(Sec. area)	(No./mm)		(mm)	(mm)	(mm)	(mm)
18	34/0.18	2	0.4	2.0	0.9	8.3
		3			0.9	9.2
		4			1.0	10.2
		5			1.2	11.8
		6			1.3	12.7
		7			1.3	13.1
		8			1.5	14.2
		9			1.5	15.3
		10			1.7	16.5
		12			1.8	17.9
		15			1.9	19.4
		16			2.0	20.0
		19			2.2	21.4
		20			2.3	22.1
		25			2.5	25.2

Multi-Conductor

UL2464

Braid Shield Type



Description

1. Tinned stranded copper conductor
2. Color-coded PVC or semi-rigid PVC insulation
3. Paired cores cable under aluminium mylar shield
4. Tinned stranded copper drain wire
5. Tinned copper braid shield, coverage is optional
6. PVC jacket paired computer and data transmission cable
7. Rated temperature: 80°C
8. Rated voltage: 300V
9. Pass VW-1 SC vertical flame test

Application:

Braid Shield Type: Computer cables for EIA RS-232 & CAD/CAM

Braid Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
28	7/0.127	2	0.25	0.9	80% or Optional	0.80	4.1
		3				0.80	4.3
		4				0.80	4.6
		5				0.90	4.8
		6				0.90	5.2
		7				0.90	5.2
		8				0.90	5.4
		9				0.90	5.7
		10				0.80	5.8
		12				0.80	6.0
		13				0.80	6.1
		14				0.80	6.2
		15				0.80	6.4
		16				0.80	6.5
		20				0.90	7.2
		25				1.00	8.1
30	1.10	8.6					
37	1.10	9.4					
40	1.10	9.4					
50	1.10	10.1					

Multi-Conductor

UL2464

Braid Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
26	7/0.16	2	0.25	1.0	80% or Optional	0.80	4.3
		3				0.80	4.5
		4				0.80	4.8
		5				0.80	5.1
		6				0.80	5.4
		7				0.80	5.4
		8				0.80	5.7
		9				0.80	6.0
		10				0.80	6.3
		12				0.80	6.4
		13				0.80	6.5
		14				0.80	6.7
		15				0.90	7.0
		16				0.90	7.2
		20				0.90	7.6
		25				1.00	8.6
30	1.00	9.2					
37	1.10	10.2					
40	1.10	10.2					
50	1.20	11.0					
24	7/0.203	2	0.25	1.1	80% or Optional	0.80	4.5
		3				0.80	4.7
		4				0.80	5.1
		5				0.80	5.6
		6				0.80	5.7
		7				0.80	5.7
		8				0.80	6.2
		9				0.80	6.4
		10				0.80	6.7
		12				0.90	7.0
		13				0.90	7.1
		14				0.90	7.3
		15				0.90	7.4
		16				0.90	7.8
		20				0.90	8.1
		25				0.90	9.1
30	1.00	9.8					
37	1.20	11.0					
40	1.20	11.0					
50	1.20	11.9					

Multi-Conductor

UL2464

Braid Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
22	17/0.16	2	0.25	1.3	80% or Optional	0.80	4.8
		3				0.80	5.3
		4				0.80	5.6
		5				0.80	6.1
		6				0.80	6.3
		7				0.80	6.3
		8				0.90	6.9
		9				0.90	7.3
		10				0.90	7.4
		12				0.90	7.8
		13				0.90	7.9
		14				0.90	8.1
		15				0.90	8.3
		16				0.90	8.5
		20				1.00	9.1
		25				1.10	10.6
		30				1.20	11.2
37	1.20	12.6					
40	1.20	12.6					
50	1.20	13.5					
20	21/0.18	2	0.25	1.5	80% or Optional	0.80	5.3
		3				0.80	5.5
		4				0.80	5.9
		5				0.80	6.3
		6				0.80	6.8
		7				0.80	6.8
		8				0.80	7.2
		9				0.80	7.7
		10				0.80	8.3
		12				0.80	8.5
		13				0.90	8.6
		14				0.90	8.8
		15				0.90	9.2
		16				1.00	9.5
		20				1.00	9.8
		25				1.10	10.6
		30				1.20	12.2
37	1.20	12.8					
40	1.40	14.5					
50	1.50	15.8					

Multi-Conductor

UL2464

Braid Shield Type (Core#)

Conductor		Core #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
20	21/0.18	2	0.4	1.8	80% or Optional	0.80	5.9
		3				0.80	6.2
		4				0.80	6.6
		5				0.80	7.2
		6				0.80	7.7
		7				0.80	7.7
		8				0.80	8.3
		9				0.80	8.9
		10				0.90	9.6
		12				1.00	10.2
		13				1.00	10.2
		14				1.00	10.4
		15				1.10	10.8
		16				1.10	11.1
		20				1.10	11.4
		25				1.20	12.5
		30				1.20	14.0
37	1.60	15.4					
40	1.80	17.4					
50	1.90	19.0					
18	34/0.18	2	0.4	2.0	80% or Optional	0.80	6.3
		3				0.80	6.6
		4				0.80	7.2
		5				0.80	7.8
		6				0.80	8.4
		7				0.80	8.4
		8				0.90	9.1
		9				1.00	10.0
		10				1.00	10.8
		12				1.10	11.2
		13				1.10	11.2
		14				1.10	11.4
		15				1.20	12.0
		16				1.20	12.3
		20				1.20	12.6
		25				1.40	13.8
		30				1.60	16.0
37	1.70	17.0					
40	1.90	19.2					
50	2.10	21.0					

Multi-Conductor

UL2464

Braid Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
28	7/0.127	2	0.25	0.9	80% or Optional	0.80	5.2
		3				0.80	5.6
		4				0.80	5.9
		5				0.80	6.5
		6				0.80	6.8
		7				0.80	7.0
		8				0.80	7.4
		9				0.80	7.8
		10				0.80	8.2
		12				0.90	9.0
		15				0.90	9.6
		16				1.00	9.8
		19				1.00	10.4
		20				1.10	10.8
25	1.20	12.2					
26	7/0.16	2	0.25	1.0	80% or Optional	0.80	5.6
		3				0.80	5.9
		4				0.80	6.3
		5				0.80	7.0
		6				0.80	7.3
		7				0.80	7.5
		8				0.80	8.0
		9				0.80	8.5
		10				0.80	9.0
		12				0.90	9.8
		15				1.00	10.5
		16				1.00	10.8
		19				1.10	11.5
		20				1.10	12.0
25	1.30	13.5					
24	7/0.203	2	0.25	1.1	80% or Optional	0.80	5.8
		3				0.80	6.3
		4				0.80	7.0
		5				0.80	7.5
		6				0.80	8.2
		7				0.80	8.2
		8				1.10	9.4
		9				1.10	9.9
		10				1.40	10.8
		12				1.40	11.5
		15				1.40	12.1
		16				1.50	12.4
		19				1.50	13.1
		20				1.50	13.5
25	1.50	14.9					

Multi-Conductor

UL2464

Braid Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
22	17/0.16	2	0.25	1.3	80% or Optional	0.80	6.3
		3				0.80	7.1
		4				0.80	7.7
		5				0.80	8.5
		6				0.90	9.2
		7				0.90	9.2
		8				1.10	10.5
		9				1.10	11.1
		10				1.30	12.1
		12				1.40	12.9
		15				1.40	13.7
		16				1.50	14.0
		19				1.50	14.8
20	1.50	15.2					
25	1.60	17.0					
20	21/0.18	2	0.25	1.5	80% or Optional	0.80	7.1
		3				0.80	7.8
		4				0.80	8.4
		5				0.80	9.6
		6				0.90	10.4
		7				0.90	10.6
		8				1.00	11.4
		9				1.10	12.3
		10				1.20	13.2
		12				1.20	14.2
		15				1.40	15.4
		16				1.40	15.8
		19				1.60	16.8
20	1.70	17.4					
25	1.90	19.7					
20	21/0.18	2	0.4	1.8	80% or Optional	0.80	8.0
		3				0.80	9.0
		4				0.90	10.0
		5				1.00	11.4
		6				1.10	12.3
		7				1.20	12.5
		8				1.30	13.5
		9				1.40	14.6
		10				1.60	15.7
		12				1.70	16.9
		15				1.80	18.3
		16				1.90	18.8
		19				2.00	20.0
20	2.00	20.7					
25	2.30	23.5					

Multi-Conductor

UL2464

Braid Shield Type (Pair#)

Conductor		Pair #	Nom. Insulation Thickness (mm)	Insulation Diameter (mm)	Braid Shield Coverage (%)	Jacket Thickness (mm)	Overall Diameter (mm)
(Sec. area)	(No./mm)						
18	34/0.18	2	0.4	2.0	80% or Optional	0.80	8.8
		3				1.00	10.0
		4				1.10	11.0
		5				1.20	12.6
		6				1.30	13.5
		7				1.30	13.8
		8				1.50	15.0
		9				1.60	16.1
		10				1.70	17.3
		12				1.80	18.7
		15				2.00	20.2
		16				2.00	20.8
		19				2.20	22.2
		20				2.30	22.9
25	2.60	26.0					