

- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: N/A

PRODUCT APPLICATION	
<input checked="" type="checkbox"/>	GENERAL USE
<input type="checkbox"/>	AUTOMOTIVE
<input type="checkbox"/>	MEDICAL DEVICE

QUALITY SYMBOLS

= 3

REV. HISTORY	EC NO.	DETAIL	DATE
D		D: MARK OBSOLETE FOR 82264404	2018/12/04
C	E-10-0371	C ₁ : MARK OBS WITH REPLACE P/N.	2011/01/24
		C ₂ : CORRECT TYPING ERROR.	
		C ₃ : REMOVE REELS MFG. IN NOG.	
B	E-07-0748	B ₁ : ADD NON-OPERATING TEMP. B ₂ : ADD SOLDERING CONDITION	2007/10/01
A	N/A	NEW RELEASE	2006/07/18


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO	
MM/IN	NTS	MM	INCH		
4 PLACES	±	±	±	EC NO: 608697	
3 PLACES	±	±	±	DRWN: AKUMAR19	2018/12/04
2 PLACES	±	±	±	CHK'D: GGA	2018/12/20
1 PLACE	±	±	±	APPR: GGA	2018/12/20
0 PLACES	±	±	±	INITIAL REVISION:	
ANGULAR TOL ± °				DRWN: CPANSAKHOM	2006/07/18
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: SVIRATJAPOL	2006/07/18
THIRD ANGLE PROJECTION		DRAWING		SERIES	DOCUMENT NUMBER
		A4-SIZE		24462	SD-24462-001
MATERIAL NUMBER		CUSTOMER		DOC TYPE	DOC PART
SEE TABLE		GENERAL MARKET		PSD	001
SHEET NUMBER				REVISION	D
1 OF 3					

DOCUMENT STATUS	P1	RELEASE DATE	2018/12/20	03:52:25
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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING..... 2.00(0.079") ϕ TO ϕ 

WIRE GAUGE..... 26 AWG(7/34) STRANDED TOPCOATED

INSULATION..... P.V.C GRAY (LEAD FREE)

AGENCY

U.L. STYLE NO. 2651

TEMPERATURE RATING -20°C TO 105°C

VOLTAGE RATING 300V.MAX.

FLAMMABILITY RATING VW-1

ELECTRICAL

CONDUCTOR RESISTANCE (D.C.)..... 43 m OHMS/FT. MAX.

CHARACTERISTIC IMPEDANCE..... 133 OHMS NOM. (GS)
111 OHMS NOM. (GSG)

CAPACITANCE..... 7.3 pF/FT. NOM. (GS)
13.4 pF/FT. NOM. (GSG)

PROPAGATION DELAY..... 1.4 ns/FT. NOM.

INSULATION RESISTANCE..... 10M OHMS (10FT. SAMPLE)

DIELECTRIC WITHSTAND VOLTAGE..... 2000 VRMS/MINUTE

GENERAL

NON-OPERATING TEMPERATURE..... -20°C TO 105°C

FAULTS AND/OR SPLICES..... 1/REEL MAX. 100⁺³₋₀ FT. (30.48^{+0.914}₋₀ M.)/REEL

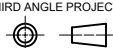
20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

SOLDER TEMPERATURE..... 260°C. MAX.

SOLDERING TIME..... 3 SECOND, MAX.

INSULATION SHRINK..... 2MM. NOM

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO				molex		FCB ROUND CONDUCTOR 2.00MM(.079)CENTER PVC. 26AWG STRANDED TOPCOATED	
MM/IN		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 608697		DRWN: AKUMAR19		2018/12/04		PRODUCT CUSTOMER DRAWING	
		MM	INCH	DRWN: GGA		2018/12/20					
4 PLACES		±	±	CHK'D: GGA		2018/12/20					
3 PLACES		±	±	APPR: GGA		2018/12/20		INITIAL REVISION:		DOCUMENT NUMBER	
2 PLACES		±	±	DRWN: CPANSAKHOM		2006/07/18		SD-24462-001		DOC TYPE	
1 PLACE		±	±	APPR: SVIRATJAPOL		2006/07/18		PSD		DOC PART	
0 PLACES		±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		REVISION	
		ANGULAR TOL	± °			A4-SIZE		SERIES		SHEET NUMBER	
						24462		MATERIAL NUMBER		GENERAL MARKET	
								SEE TABLE		2 OF 3	

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CHART "A"							
DIMENSION MM (INCHES)							
ENG. NO	NO OF COND.	DIMENSION S		DIM "W" REF.	SHIPPED ON 100FT. REELS		
					ENGINEERING NO.	ORDER NO.	
24462-02	2	2.00±.080	(.079±.003)	4.00 (.157)	24462-02-100B	82-26-4402	
24462-03	3	4.00±.230	(.157±.009)	6.00 (.236)	↑ -03- ↑	↑ 03	
OBSOLETE 24462-04	4	6.00±.230	(.236±.009)	8.00 (.315)	↑ -04- ↑	↑ 04	
24462-05	5	8.00±.280	(.315±.011)	10.00 (.394)	↑ -05- ↑	↑ 05	
24462-06	6	10.00±.280	(.394±.011)	12.00 (.472)	↑ -06- ↑	↑ 06	
24462-07	7	12.00±.280	(.472±.011)	14.00 (.551)	↑ -07- ↑	↑ 07	
24462-08	8	14.00±.280	(.551±.011)	16.00 (.630)	↑ -08- ↑	↑ 08	
OBSOLETE 24462-09	9	16.00±.280	(.630±.011)	18.00 (.709)	↑ -09- ↑	↑ 4409	
REPLACE 24462-09	9	16.00±.280	(.630±.011)	18.00 (.709)	↑ -09- ↑	↑ 8409	
24462-10	10	18.00±.280	(.709±.011)	20.00 (.787)	↑ -10- ↑	↑ 4410	
24462-11	11	20.00±.280	(.787±.011)	22.00 (.866)	↑ -11- ↑	↑ 11	
24462-12	12	22.00±.280	(.866±.011)	24.00 (.945)	↑ -12- ↑	↑ 12	
24462-13	13	24.00±.280	(.945±.011)	26.00 (1.024)	↑ -13- ↑	↑ 13	
24462-14	14	26.00±.280	(1.024±.011)	28.00 (1.102)	↑ -14- ↑	↑ 14	
24462-15	15	28.00±.280	(1.102±.011)	30.00 (1.181)	↑ -15- ↑	↑ 15	
24462-16	16	30.00±.280	(1.181±.011)	32.00 (1.260)	↑ -16- ↑	↑ 16	
24462-17	17	32.00±.280	(1.260±.011)	34.00 (1.339)	↑ -17- ↑	↑ 17	
24462-18	18	34.00±.280	(1.339±.011)	36.00 (1.417)	↑ -18- ↑	↑ 18	
24462-19	19	36.00±.280	(1.417±.011)	38.00 (1.496)	↑ -19- ↑	↑ 19	
24462-20	20	38.00±.280	(1.496±.011)	40.00 (1.575)	↑ -20- ↑	↑ 20	
24462-21	21	40.00±.280	(1.575±.011)	42.00 (1.654)	↑ -21- ↑	↑ 21	
24462-22	22	42.00±.280	(1.654±.011)	44.00 (1.732)	↑ -22- ↑	↑ 22	
24462-23	23	44.00±.280	(1.732±.011)	46.00 (1.811)	↑ -23- ↑	↑ 23	
24462-24	24	46.00±.280	(1.811±.011)	48.00 (1.890)	↑ -24- ↑	↑ 24	
24462-25	25	48.00±.280	(1.890±.011)	50.00 (1.969)	↑ -25- ↑	↑ 25	
24462-26	26	50.00±.280	(1.969±.011)	52.00 (2.047)	↑ -26- ↑	↑ 26	
24462-27	27	52.00±.280	(2.047±.011)	54.00 (2.126)	↑ -27- ↑	↑ 27	
24462-28	28	54.00±.280	(2.126±.011)	56.00 (2.205)	↓ 24462-28-100B ↓	↓ 82-26-4428 ↓	

ENGINEERING NO.

24462-XX-XXXX

A B C D

A : CABLE 2.00mm. (.079") CENTERS 26 AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 28)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO											
MM/IN		NTS		EC NO: 608697 DRWN: AKUMAR19 2018/12/04 CHK'D: GGA 2018/12/20 APPR: GGA 2018/12/20 INITIAL REVISION: DRWN: CPANSAKHOM 2006/07/18 APPR: SVIRATJAPOL 2006/07/18											
GENERAL TOLERANCES (UNLESS SPECIFIED)															
	MM	INCH													
4 PLACES	±	±													
3 PLACES	±	±													
2 PLACES	±	±													
1 PLACE	±	±													
0 PLACES	±	±													
ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-24462-001 DOC TYPE: PSD DOC PART: 001 REVISION: D											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A4-SIZE		24462		SEE TABLE		GENERAL MARKET		3 OF 3	

DOCUMENT STATUS P1 RELEASE DATE 2018/12/20 03:52:25

FORMAT: Met-lega-master-ib-prod-A4

REVISION: D

DATE: 2018/01/18

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
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SPECIFICATIONSPHYSICAL

CONDUCTOR SPACING ----- 2.00(0.079") ϕ TO ϕ 
 WIRE GAUGE ----- 26 AWG(7/34) STRANDED TOPCOATED
 INSULATION ----- P.V.C GRAY (LEAD FREE)

AGENCY

U.L. STYLE NO. ----- 2651
 TEMPERATURE RATING ----- -20°C TO 105°C
 VOLTAGE RATING ----- 300V.MAX.
 FLAMMABILITY RATING ----- VW-1

ELECTRICAL






CONDUCTOR RESISTANCE (D.C.) ----- 43 m OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE ----- 133 OHMS NOM. (GS)
 111 OHMS NOM. (GSG)
 CAPACITANCE ----- 7.3 pF/FT. NOM. (GS)
 13.4 pF/FT. NOM. (GSG)
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.
 INSULATION RESISTANCE ----- 10M OHMS (10FT. SAMPLE)
 DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE

GENERAL

NON-OPERATING TEMPERATURE ----- -20°C TO 105°C
 FAULTS AND/OR SPLICES ----- 1/REEL MAX. 100 \pm ³FT. (30.48 \pm ^{0.914}M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

SOLDER TEMPERATURE ----- 260°C. MAX.
 SOLDERING TIME ----- 3 SECOND, MAX.
 INSULATION SHRINK ----- 2MM. NOM

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN: CPANSAKHOM 2010/11/10 CHKD: DNARINTARA 2011/01/25 APPR: SVIRAT JAPOL 2011/03/31	QUALITY SYMBOLS  =  =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTER PVC. 26AWG STRANDED TOPCOATED		
		4 PLACES \pm ---	\pm ---	\pm ---	CHECKED BY PMEECHAI	DATE 2006/07/18			
		3 PLACES \pm ---	\pm ---	\pm ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/18	 MOLEX INCORPORATED DOCUMENT NO. SD-24462-001 SHEET NO. 2 OF 3		
2 PLACES \pm ---	\pm ---	\pm ---	MATERIAL NO. SEE CHART						
1 PLACE \pm ---	\pm ---	\pm ---	ANGULAR \pm ---°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
			SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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CHART "A"				SHIPPED ON 100FT. REELS	
DIMENSION MM (INCHES)				ENGINEERING NO.	ORDER NO.
ENG. NO	NO OF COND.	DIMENSION S	DIM "W" REF.		
24462-02	2	2.00±.080 (.079±.003)	4.00 (.157)	24462-02-100B	82-26-4402
24462-03	3	4.00±.230 (.157±.009)	6.00 (.236)	↑ -03- ↑	↑ 03 ↑
24462-04	4	6.00±.230 (.236±.009)	8.00 (.315)	↑ -04- ↑	↑ 04 ↑
24462-05	5	8.00±.280 (.315±.011)	10.00 (.394)	↑ -05- ↑	↑ 05 ↑
24462-06	6	10.00±.280 (.394±.011)	12.00 (.472)	↑ -06- ↑	↑ 06 ↑
24462-07	7	12.00±.280 (.472±.011)	14.00 (.551)	↑ -07- ↑	↑ 07 ↑
24462-08	8	14.00±.280 (.551±.011)	16.00 (.630)	↑ -08- ↑	↑ 08 ↑
24462-09	9	16.00±.280 (.630±.011)	18.00 (.709)	↑ -09- ↑	↑ 4409 ↑
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24462-10	10	18.00±.280 (.709±.011)	20.00 (.787)	↑ -10- ↑	↑ 4410 ↑
24462-11	11	20.00±.280 (.787±.011)	22.00 (.866)	↑ -11- ↑	↑ 11 ↑
24462-12	12	22.00±.280 (.866±.011)	24.00 (.945)	↑ -12- ↑	↑ 12 ↑
24462-13	13	24.00±.280 (.945±.011)	26.00 (1.024)	↑ -13- ↑	↑ 13 ↑
24462-14	14	26.00±.280 (1.024±.011)	28.00 (1.102)	↑ -14- ↑	↑ 14 ↑
24462-15	15	28.00±.280 (1.102±.011)	30.00 (1.181)	↑ -15- ↑	↑ 15 ↑
24462-16	16	30.00±.280 (1.181±.011)	32.00 (1.260)	↑ -16- ↑	↑ 16 ↑
24462-17	17	32.00±.280 (1.260±.011)	34.00 (1.339)	↑ -17- ↑	↑ 17 ↑
24462-18	18	34.00±.280 (1.339±.011)	36.00 (1.417)	↑ -18- ↑	↑ 18 ↑
24462-19	19	36.00±.280 (1.417±.011)	38.00 (1.496)	↑ -19- ↑	↑ 19 ↑
24462-20	20	38.00±.280 (1.496±.011)	40.00 (1.575)	↑ -20- ↑	↑ 20 ↑
24462-21	21	40.00±.280 (1.575±.011)	42.00 (1.654)	↑ -21- ↑	↑ 21 ↑
24462-22	22	42.00±.280 (1.654±.011)	44.00 (1.732)	↑ -22- ↑	↑ 22 ↑
24462-23	23	44.00±.280 (1.732±.011)	46.00 (1.811)	↑ -23- ↑	↑ 23 ↑
24462-24	24	46.00±.280 (1.811±.011)	48.00 (1.890)	↑ -24- ↑	↑ 24 ↑
24462-25	25	48.00±.280 (1.890±.011)	50.00 (1.969)	↑ -25- ↑	↑ 25 ↑
24462-26	26	50.00±.280 (1.969±.011)	52.00 (2.047)	↑ -26- ↑	↑ 26 ↑
24462-27	27	52.00±.280 (2.047±.011)	54.00 (2.126)	↑ -27- ↑	↑ 27 ↑
24462-28	28	54.00±.280 (2.126±.011)	56.00 (2.205)	24462-28-100B	82-26-4428



OBSOLETE
REPLACE

ENGINEERING NO.

24462-XX-XXXX

A B C D

A : CABLE 2.00mm. (.079") CENTERS 26 AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 28)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN: CPANSAKHOM 2010/11/10 CHKD: DNARINTARA 2011/01/25 APPR: SVIRAT JAPOL 2011/03/31	QUALITY SYMBOLS ▼ = △ =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTER PVC. 26AWG STRANDED TOPCOATED	
		4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18	MOLEX INCORPORATED	
		3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/18	DOCUMENT NO. SD-24462-001	SHEET NO. 3 OF 3
		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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