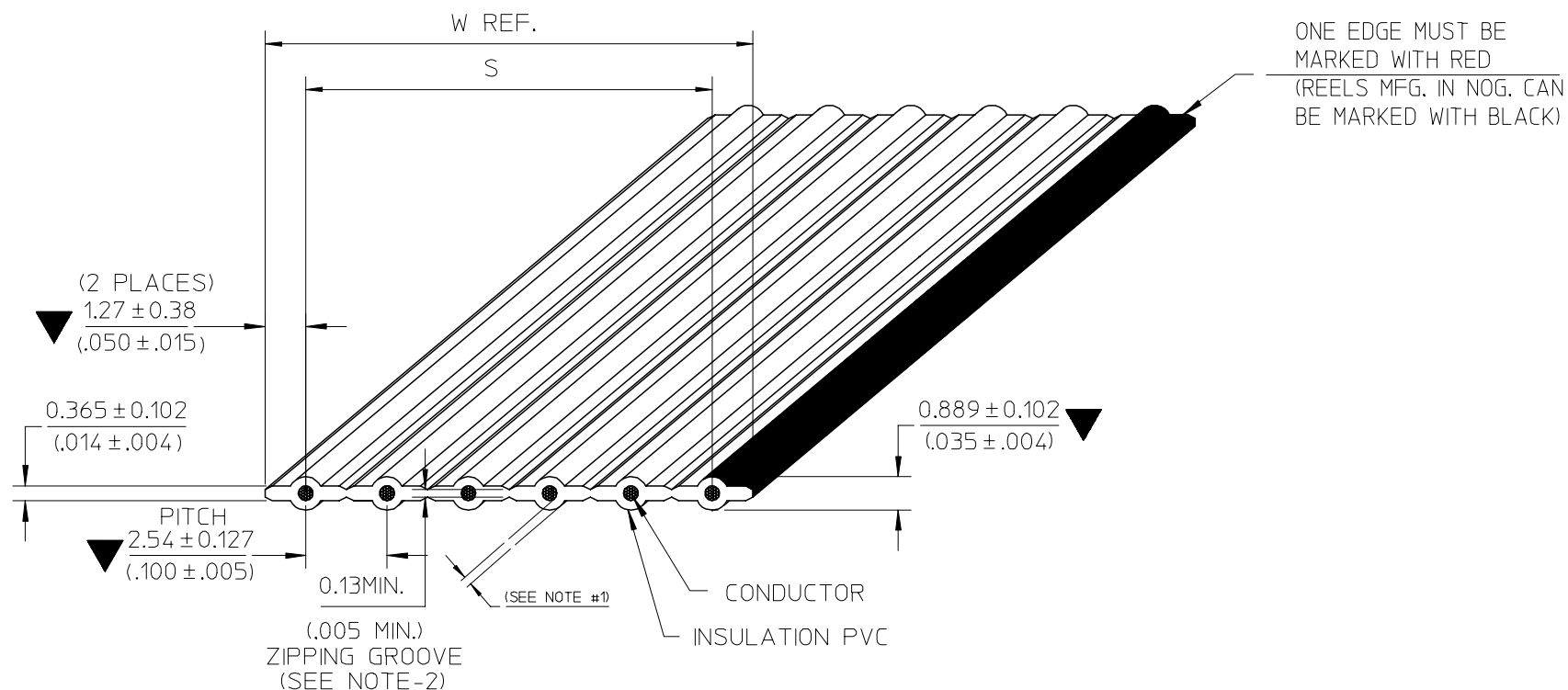




- NOTE :
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 - 4 SPECIAL REQUIREMENT: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

B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₁ : ADD SOLDERING CONDITION	07/09/27
A	N/A	NEW RELEASE	06/07/18
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN: CPANSAKHOM 2007/11/28
CHKD: DNARINTARA 2007/11/29
APPR: SVIRATJAPOL 2007/12/04

QUALITY SYMBOLS	DESCRIPTION
$\nabla=3$	
$\nabla=0$	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES $\pm$ ---	$\pm$ ---
3 PLACES $\pm$ ---	$\pm$ ---
2 PLACES $\pm$ ---	$\pm$ ---
1 PLACE $\pm$ ---	$\pm$ ---
ANGULAR $\pm$ ---	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/07/18
CHECKED BY	DATE
PMEECHAI	2006/07/18
APPROVED BY	DATE
SVIRATJAPOL	2006/07/18
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 28AWG STRANDED TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-7767-001		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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E	SPECIFICATIONS																																																																		
	PHYSICAL																																																																		
	CONDUCTOR SPACING _____			2.54 (.100") C TO C																																																															
	WIRE GAUGE _____			28 AWG(7/36) STRANDED TOPCOATED																																																															
	INSULATION _____			P.V.C GRAY (LEAD FREE)																																																															
D	AGENCY																																																																		
	U.L. STYLE NO. _____			2651																																																															
	TEMPERATURE RATING _____			-20°C TO 105°C																																																															
	VOLTAGE RATING _____			300V.MAX.																																																															
	FLAMMABILITY RATING _____			VW-1																																																															
C	ELECTRICAL																																																																		
	CONDUCTOR RESISTANCE (D.C.) _____			68 m OHMS/FT. MAX.																																																															
	CHARACTERISTIC IMPEDANCE _____			150 OHMS NOM. (GS)																																																															
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	DIELECTRIC WITHSTAND VOLTAGE _____			2000 VRMS/MINUTE																																																															
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	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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E							
D							
C							
B							
A							
	SPECIFICATIONS PHYSICAL CONDUCTOR SPACING _ _ _ _ _ .254 (.100") C TO C WIRE GAUGE _ _ _ _ _ 28 AWG(7/36) 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.) _ _ _ 68 m OHMS/FT. MAX. CHARACTERISTIC IMPEDANCE _ _ _ 150 OHMS NOM. (GS) _ _ _ 128 OHMS NOM. (GSG) CAPACITANCE _ _ _ 5.0 pF/FT. NOM. (GS) _ _ _ 9.12 pF/FT. NOM. (GSG) PROPAGATION DELAY _ _ _ 1.4 ns/FT. NOM. INSULATION RESISTANCE _ _ _ 10 M OHMS (10FT. SAMPLE) DIELECTRIC WITHSTAND VOLTAGE _ _ _ 2000 VRMS/MINUTE GENERAL B₂ NON-OPERATING TEMPERATURE _ _ _ -20°C TO 105°C FAULTS AND/OR SPLICES _ _ _ 1/REEL MAX. 100+⁻³₀ FT. (30.48+^{+0.914}₋₀ M.)/REEL _ _ _ 20FT. (6.096M.) MIN. LENGTH B_i SOLDERING CONDITION SOLDER TEMPERATURE _ _ _ -260°C. MAX. SOLDERING TIME _ _ _ 3 SECOND, MAX. INSULATION SHRINK _ _ _ 2MM. NOM						
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	tb_frame_A4_P_ME_T Rev. E 2006/04/15	6	5	4	3	2	1

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7 6 5 4 3 2 1

E

E

D

D

C

C

B

B

A

A

CHART A					SHIPPED ON	
DIMENSIONS MM. (INCHES)					100 FT. REELS	
ENG. NO.	NO.OF COND.	DIMENSION S		DIM. W (REF)	ENGINEERING NO.	ORDER NO.
7767-02	2	2.54±0.127	(.100±.005)	5.08 (.200)	7767-02-100B	82-28-6021
7767-03	3	5.08±0.20	(.200±.008)	7.62 (.300)	▲ -03- ▲	▲ 03▲
7767-04	4	7.62±0.30	(.300±.012)	10.16 (.400)	▲ -04- ▲	▲ 04▲
7767-05	5	10.16±0.33	(.400±.013)	12.70 (.500)	▲ -05- ▲	▲ 05▲
7767-06	6	12.70±0.33	(.500±.013)	15.24 (.600)	▲ -06- ▲	▲ 06▲
7767-07	7	15.24±0.33	(.600±.013)	17.78 (.700)	▲ -07- ▲	▲ 07▲
7767-08	8	17.78±0.33	(.700±.013)	20.32 (.800)	▲ -08- ▲	▲ 08▲
7767-09	9	20.32±0.33	(.800±.013)	22.86 (.900)	▲ -09- ▲	▲ 09▲
7767-10	10	22.86±0.33	(.900±.013)	25.40 (1.000)	▲ -10- ▲	▲ 10▲
7767-11	11	25.40±0.33	(1.000±.013)	27.94 (1.100)	▲ -11- ▲	▲ 11▲
7767-12	12	27.94±0.33	(1.100±.013)	30.48 (1.200)	▲ -12- ▲	▲ 12▲
7767-13	13	30.48±0.33	(1.200±.013)	33.02 (1.300)	▲ -13- ▲	▲ 13▲
7767-14	14	33.02±0.33	(1.300±.013)	35.56 (1.400)	▲ -14- ▲	▲ 14▲
7767-15	15	35.56±0.33	(1.400±.013)	38.10 (1.500)	▲ -15- ▲	▲ 15▲
7767-16	16	38.10±0.33	(1.500±.013)	40.64 (1.600)	▲ -16- ▲	▲ 16▲
7767-17	17	40.64±0.33	(1.600±.013)	43.18 (1.700)	▲ -17- ▲	▲ 17▲
7767-18	18	43.18±0.33	(1.700±.013)	45.72 (1.800)	▲ -18- ▲	▲ 18▲
7767-19	19	45.72±0.33	(1.800±.013)	48.26 (1.900)	▲ -19- ▲	▲ 19▲
7767-20	20	48.26±0.33	(1.900±.013)	50.80 (2.000)	▼ -20- ▼	▼ 20▼

ENGINEERING NO.

7767-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 28 AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

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

D : A = INCHES

B = FEET

SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	DESCRIPTION REV	QUALITY SYMBOLS ▼ = C =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY	DATE	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 28AWG STRANDED TOPCOATED MOLEX INCORPORATED				
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			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ± ---°			SVIRATJAPOL 2006/07/18		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SD-7767-001		3 OF 3		
						SEE CHART						
						SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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4

3

2

1