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SPECIFICATIONSPHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.54 (.100") ϕ TO ϕ
 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)
 9.1 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

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

SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/11/12 CHKD:PMEECHAI 2011/01/25 APPR:SVIRATJAPOL 2011/03/31	QUALITY SYMBOLS  =  =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/18	TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 28AWG STRANDED TOPCOATED MOLEX INCORPORATED	
		4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/18		
		3 PLACES	± ---	± ---	APPROVED BY SVIRATJAPOL	DATE 2006/07/18		
		2 PLACES	± ---	± ---	MATERIAL NO.			
1 PLACE	± ---	± ---	ANGULAR ± ---°		DOCUMENT NO. SD-7767-001		SHEET NO. 2 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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CHART A DIMENSIONS MM. (INCHES)					SHIPPED ON 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: THL2011-0054 DRWN:CPANSAKHOM 2010/11/12 CHKD:PMEECHAI 2011/01/25 APPR:SVIRAT JAPOL 2011/03/31	DESCRIPTION	QUALITY SYMBOLS = =	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				
			4 PLACES	± ---	± ---	CPANSAKHOM	2006/07/18					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± ---	± ---	PMEECHAI	2006/07/18					
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ± ---°			SVIRAT JAPOL	2006/07/18					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.			SEE CHART			DOCUMENT NO.			SHEET NO.		
							SD-7767-001			3 OF 3		
				SIZE A 4			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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