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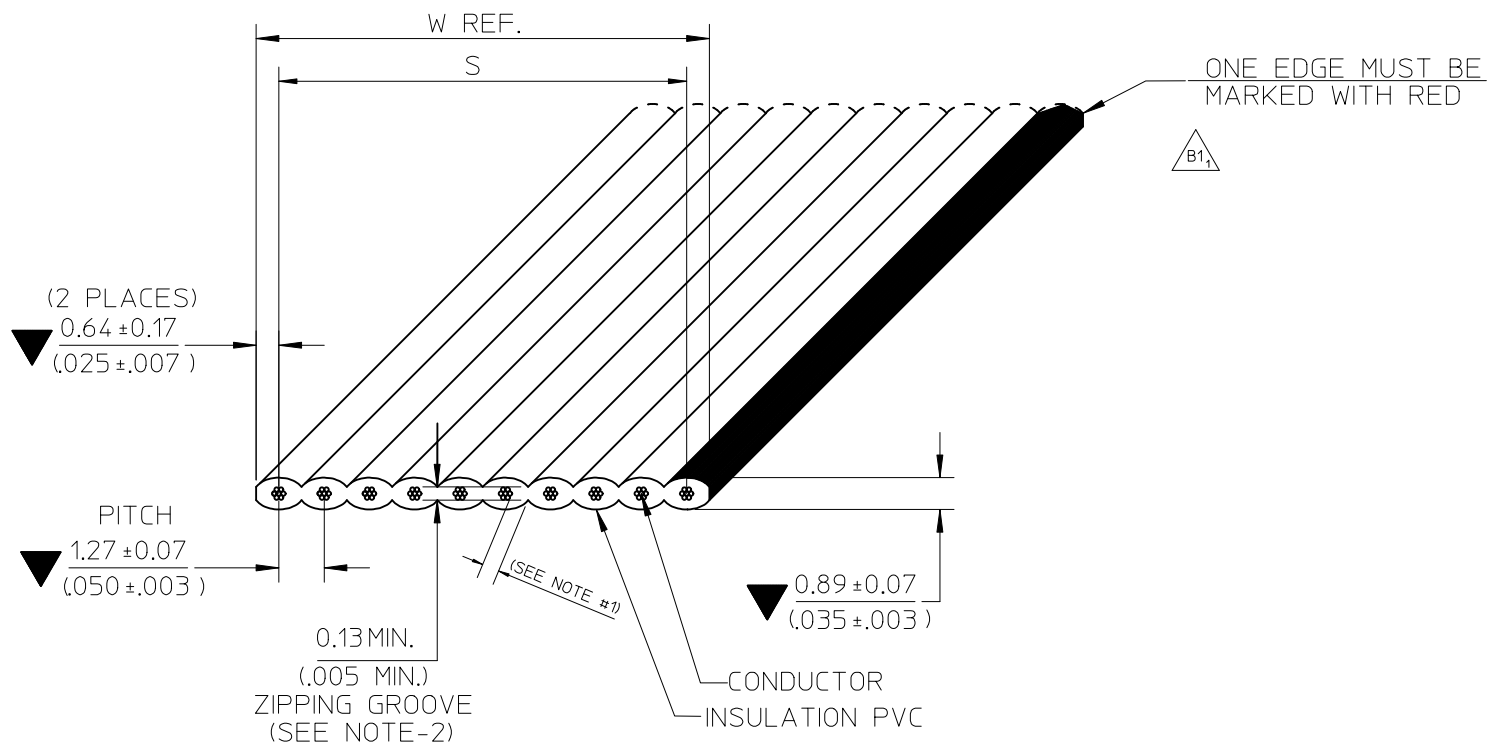
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- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS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

PRODUCT APPLICATION	
☒	GENERAL USE
☐	AUTOMOTIVE
☐	MEDICAL DEVICE

SEE CHANGE DETAIL. EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/10/05 CHKD:PMEECHAI 2011/01/25 APPR:SVIRAT JAPOL 2011/03/31	DESCRIPTION	QUALITY SYMBOLS ▽=3 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/12	TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TINNED				
			4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/12					
			3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/12					
			2 PLACES	± ---	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-6800-001		SHEET NO. 1 OF 3		
			1 PLACE	± ---	± ---							
			ANGULAR ± ---°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

B1	E-10-0371	B1 ₁ : REMOVE REELS MFG. IN NOG.	2011/01/25
B	E-07-0748	B ₁ : ADD NON-OPERATING TEMP.	2007/11/23
A	N/A	NEW RELEASE	2006/07/12
REV. HISTORY	EC NO.	DETAIL	DATE

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SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING _____ 1.27(.050") ϕ TO ϕ
WIRE GAUGE _____ 28 AWG(7/36) AWG, STRANDED TINNED
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	123 OHMS NOM. (GS) 100 OHMS NOM. (GSG)
CAPACITANCE	9.1 pF/FT. NOM. (GS) 17.0 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⁺³₀ FT. (30.48^{+0.914}₀ M.)/REEL
20FT. (6.096M.) MIN. LENGTH

SEE CHANGE DETAIL: EC NO: THL2011-0054 DRAWN:CPANSAKHOM 2010/10/05 CHKD:PREECHAI 2011/01/25 APPR:SVIRAT JAPOL 2011/03/31 B1	DESCRIPTION	QUALITY SYMBOLS ▽ = ◻ =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY CPANSAKHOM	DATE 2006/07/12	TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TINNED  MOLEX INCORPORATED						
			4 PLACES	± ---	± ---	CHECKED BY PREECHAI	DATE 2006/07/12							
			3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL	DATE 2006/07/12							
			2 PLACES	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			1 PLACE	± ---	± ---	SEE CHART		SD-6800-001		2 OF 3				
			ANGULAR ± ---°			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
						SIZE A 4								

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ENGINEERING NO.

6800-XX-XXXX

A B C D

A : CABLE 1.27mm. (.050") CENTERS 28AWG STRANDED TINNED

B : CONDUCTOR SIZE (AVAILABILITY 3 THROUGH 50)

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

D : A = INCHES

B = FEET

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ENG. NO.	NO OF COND.	DIMENSIONS INCHES (MM)	DIM. W (REF)	ENGINEERING NO.	ORDER NO.
6800- 3	3	2.54±0.18 (1.00±.007)	3.81(.150)	6800-03-100B	82-28-5703
6800- 4	4	3.81±0.18 (1.50±.007)	5.08(.200)	6800-04-100B	82-28-5704
6800- 5	5	5.08±0.18 (2.00±.007)	6.35(.250)	6800-05-100B	82-28-5705
6800- 6	6	6.35±0.18 (2.50±.007)	7.62(.300)	6800-06-100B	82-28-5706
6800- 7	7	7.62±0.18 (3.00±.007)	8.89(.350)	6800-07-100B	82-28-5707
6800- 8	8	8.89±0.18 (3.50±.007)	10.16(.400)	6800-08-100B	82-28-5708
6800- 9	9	10.16±0.18 (4.00±.007)	11.43(.450)	6800-09-100B	82-28-5709
6800-10	10	11.43±0.18 (4.50±.007)	12.70(.500)	6800-10-100B	82-28-5710
6800-11	11	12.70±0.18 (5.00±.007)	13.97(.550)	6800-11-100B	82-28-5711
6800-12	12	13.97±0.18 (5.50±.007)	15.24(.600)	6800-12-100B	82-28-5712
6800-13	13	15.24±0.18 (6.00±.007)	16.51(.650)	6800-13-100B	82-28-5713
6800-14	14	16.51±0.18 (6.50±.007)	17.78(.700)	6800-14-100B	82-28-5714
6800-15	15	17.78±0.18 (7.00±.007)	19.05(.750)	6800-15-100B	82-28-5715
6800-16	16	19.05±0.23 (7.50±.009)	20.32(.800)	6800-16-100B	82-28-5716
6800-17	17	20.32±0.23 (8.00±.009)	21.59(.850)	6800-17-100B	82-28-5717
6800-18	18	21.59±0.23 (8.50±.009)	22.86(.900)	6800-18-100B	82-28-5718
6800-19	19	22.86±0.23 (9.00±.009)	24.13(.950)	6800-19-100B	82-28-5719
6800-20	20	24.13±0.23 (9.50±.009)	25.40(1.000)	6800-20-100B	82-28-5720
6800-21	21	25.40±0.23 (1.000±.009)	26.67(1.050)	6800-21-100B	82-28-5721
6800-22	22	26.67±0.23 (1.050±.009)	27.94(1.100)	6800-22-100B	82-28-5722
6800-23	23	27.94±0.23 (1.100±.009)	29.21(1.150)	6800-23-100B	82-28-5723
6800-24	24	29.21±0.23 (1.150±.009)	30.48(1.200)	6800-24-100B	82-28-5724
6800-25	25	30.48±0.23 (1.200±.009)	31.75(1.250)	6800-25-100B	82-28-5725
6800-26	26	31.75±0.23 (1.250±.009)	33.02(1.300)	6800-26-100B	82-28-5726
6800-27	27	33.02±0.23 (1.300±.009)	34.29(1.350)	6800-27-100B	82-28-5727
6800-28	28	34.29±0.23 (1.350±.009)	35.56(1.400)	6800-28-100B	82-28-5728
6800-29	29	35.56±0.23 (1.400±.009)	36.83(1.450)	6800-29-100B	82-28-5729
6800-30	30	36.83±0.23 (1.450±.009)	38.10(1.500)	6800-30-100B	82-28-5730
6800-31	31	38.10±0.23 (1.500±.009)	39.37(1.550)	6800-31-100B	82-28-5731
6800-32	32	39.37±0.23 (1.550±.009)	40.64(1.600)	6800-32-100B	82-28-5732
6800-33	33	40.64±0.23 (1.600±.009)	41.91(1.650)	6800-33-100B	82-28-5733
6800-34	34	41.91±0.23 (1.650±.009)	43.18(1.700)	6800-34-100B	82-28-5734
6800-35	35	43.18±0.23 (1.700±.009)	44.45(1.750)	6800-35-100B	82-28-5735
6800-36	36	44.45±0.23 (1.750±.009)	45.72(1.800)	6800-36-100B	82-28-5736
6800-37	37	45.72±0.28 (1.800±.011)	46.99(1.850)	6800-37-100B	82-28-5737
6800-38	38	46.99±0.28 (1.850±.011)	48.26(1.900)	6800-38-100B	82-28-5738
6800-39	39	48.26±0.28 (1.900±.011)	49.53(1.950)	6800-39-100B	82-28-5739
6800-40	40	49.53±0.28 (1.950±.011)	50.80(2.000)	6800-40-100B	82-28-5740
6800-41	41	50.80±0.28 (2.000±.011)	52.07(2.050)	6800-41-100B	82-28-5741
6800-42	42	52.07±0.28 (2.050±.011)	53.34(2.100)	6800-42-100B	82-28-5742
6800-43	43	53.34±0.28 (2.100±.011)	54.61(2.150)	6800-43-100B	82-28-5743
6800-44	44	54.61±0.28 (2.150±.011)	55.88(2.200)	6800-44-100B	82-28-5744
6800-45	45	55.88±0.28 (2.200±.011)	57.15(2.250)	6800-45-100B	82-28-5745
6800-46	46	57.15±0.28 (2.250±.011)	58.42(2.300)	6800-46-100B	82-28-5746
6800-47	47	58.42±0.28 (2.300±.011)	59.69(2.350)	6800-47-100B	82-28-5747
6800-48	48	59.69±0.28 (2.350±.011)	60.96(2.400)	6800-48-100B	82-28-5748
6800-49	49	60.96±0.28 (2.400±.011)	62.23(2.450)	6800-49-100B	82-28-5749
6800-50	50	62.23±0.28 (2.450±.011)	63.50(2.500)	6800-50-100B	82-28-5750

THIRD ANGLE PROJECTION

DESIGN UNITS
INCHSCALE
NTSFCB ROUND CONDUCTOR
1.27MM(.050)CENTERS PVC.
28AWG STR TINNED

MOLEX INCORPORATED

DOCUMENT NO.

SD-6800-001

SHEET NO.

3 OF 3

DIMENSION STYLE
MM/INDRAWN BY DATE
CPANSAKHOM 2006/07/12
CHECKED BY DATE
PMEECHAI 2006/07/12
APPROVED BY DATE
SVIRAT JAPOL 2006/07/12

MATERIAL NO.

SEE CHART

SIZE
A 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ± ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSQUALITY
SYMBOLS

DESCRIPTION

REV

B1

SEE CHANGE DETAIL.

EC NO: THL2011-0054

DRAWN:CPANSAKHOM

CHKD:PMEECHAI

APPR:SVIRAT JAPOL

DATE:2011/10/12

DATE:2011/10/12

DATE:2011/10/12

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