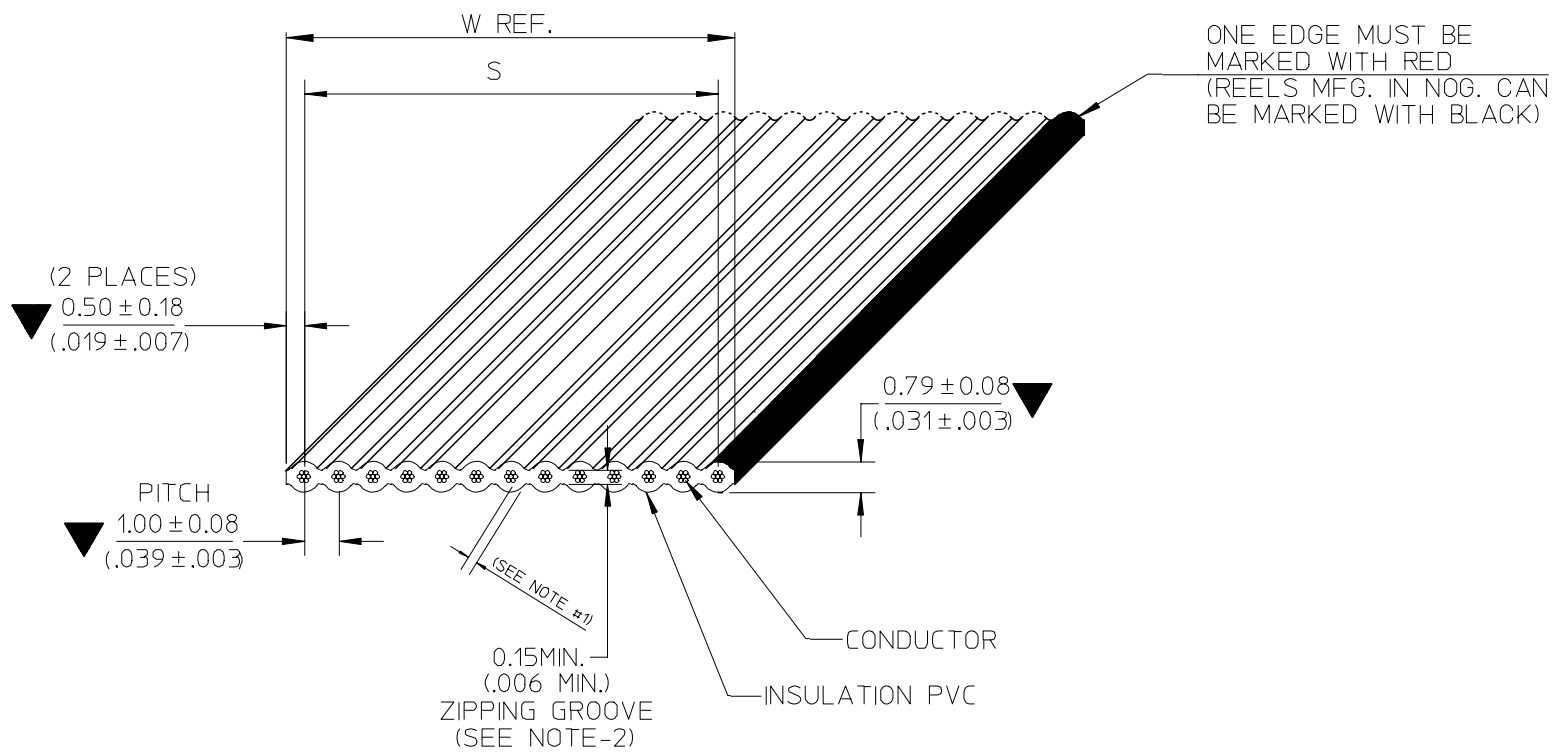


7 6 5 4 3 2 1



- NOTE :**
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
  2. RIP TEST:
    - THE 0.15mm. (.006") 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 <sub>1</sub> : ADD NON-OPERATING TEMP. | 07/11/22 |
| A            | N/A       | NEW RELEASE.                             | 06/07/10 |
| 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 |
| ▼ = 3           |
| ▽ = 0           |
| DESCRIPTION     |
| REV             |

|  |             |
|--|-------------|
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |             |
|  | mm INCH     |
| 4 PLACES   | ± --- ± --- |
| 3 PLACES   | ± --- ± --- |
| 2 PLACES   | ± --- ± --- |
| 1 PLACE  | ± --- ± --- |
| ANGULAR ± --- °                                      |             |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |             |

|                 |            |
|-----------------|------------|
| DIMENSION STYLE |            |
| MM/IN           |            |
| DRAWN BY        | DATE       |
| CPANSAKHOM      | 2006/07/10 |
| CHECKED BY      | DATE       |
| PMEECHAI        | 2006/07/10 |
| APPROVED BY     | DATE       |
| SVIRATJAPOL     | 2006/07/10 |
| MATERIAL NO.    |            |
| SEE CHART       |            |
| SIZE            |            |
| A 4             |            |

|   |              |                        |
|---|--------------|------------------------|
| SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
| NTS   | INCH         |                        |
| TITLE   |              |                        |
| FCB ROUND CONDUCTOR<br>1.00MM(.039)CENTERS PVC.<br>28AWG STR TINNED   |              |                        |
| MOLEX INCORPORATED  |              |                        |
| MATERIAL NO.  | DOCUMENT NO. | SHEET NO.              |
| SEE CHART   | SD-24500-001 | 1 OF 3                 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |

6 5 4 3 2 1

SPECIFICATIONS

PHYSICAL

CONDUCTOR SPACING ----- 1.00(.039")  $\bar{C}$  TO  $\bar{C}$   
 WIRE GAUGE ----- 28 AWG(7/36) 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 ----- TBD. OHMS NOM. (GS)  
 ----- TBD. OHMS NOM. (GSG)  
 CAPACITANCE ----- TBD. pF/FT. NOM. (GS)  
 ----- TBD. pF/FT. NOM. (GSG)  
 PROPAGATION DELAY ----- 1.4 ns/FT. NOM.  
 INSULATION RESISTANCE ----- 10M OHMS (10FT. SAMPLE)  
 DIELECTRIC WITHSTAND VOLTAGE ----- 2000 VRMS/MINUTE

GENERAL

$\triangle$  NON-OPERATING TEMPERATURE ----- -20°C TO 105°C  
 FAULTS AND/OR SPLICES ----- 1/REEL MAX. 100<sub>0</sub><sup>+3</sup> FT. (30.48<sub>0</sub><sup>+0.914</sup> M.)/REEL  
 20FT. (6.096M.) MIN. LENGTH

|   |                    |  |       |                                       |             |  |            |              |   |                        |  |  |  |  |
|---|--------------------|--|-------|---------------------------------------|-------------|--|------------|--------------|---|------------------------|--|--|--|--|
| SEE CHANGE DETAIL.<br>EC NO: THL2008-0015<br>DRWN: CPANSAKHOM 2007/11/28<br>CHKD: DNARINTARA 2007/11/29<br>APPR: SVIRATJAPOL 2007/12/04 | DESCRIPTION<br>REV | QUALITY SYMBOLS  |       | GENERAL TOLERANCES (UNLESS SPECIFIED) |             | DIMENSION STYLE  |            | SCALE        | DESIGN UNITS  | THIRD ANGLE PROJECTION |  |  |  |  |
|   |                    |  |       |                                       |             | MM/IN  |            | NTS          | INCH  |                        |  |  |  |  |
|   |                    | $\blacktriangledown$ =<br>$\triangle$ =                    |       | mm                                    | INCH        | DRAWN BY   | DATE       | TITLE        |   |                        |  |  |  |  |
|   |                    |  |       | 4 PLACES                              | ± ---       | ± ---  | CPANSAKHOM | 2006/07/10   | FCB ROUND CONDUCTOR<br>1.00MM(.039)CENTERS PVC.<br>28AWG STR TINNED |                        |  |  |  |  |
|   |                    |  |       | 3 PLACES                              | ± ---       | ± ---  | CHECKED BY | DATE         | MOLEX MOLEX INCORPORATED  |                        |  |  |  |  |
|   |                    | 2 PLACES   | ± --- | ± ---                                 | PMEECHAI    | 2006/07/10   | SHEET NO.  |              |   |                        |  |  |  |  |
|   |                    | 1 PLACE  | ± --- | ± ---                                 | APPROVED BY | DATE   | 2 OF 3     |              |   |                        |  |  |  |  |
|   |                    | ANGULAR ± ---°   |       | SVIRATJAPOL 2006/07/10                |             | MATERIAL NO.   |            | DOCUMENT NO. |   | SEE CHART              |  |  |  |  |
|   |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE                                  |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |              |   |                        |  |  |  |  |

7      6      5      4      3      2      1

E

D

C

B

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E

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A

| CHART A                 |            |                  |                         |               |
|-------------------------|------------|------------------|-------------------------|---------------|
| DIMENSIONS MM. (INCHES) |            |                  |                         |               |
| ENGINEERING NO.         | ORDER NO.  | NO. OF CONDUCTOR | DIMENSION S             | DIM. W (REF.) |
| 24500-10-100B           | 82-28-3010 | 10               | 9.00±0.18 (.354±.007)   | 10.00 (.394)  |
| ▲ -20- ▲                | ▲ 20       | 20               | 19.00±0.23 (.748±.009)  | 20.00 (.787)  |
| -24-                    | 24         | 24               | 23.00±0.23 (.906±.009)  | 24.00 (.945)  |
| -26-                    | 26         | 26               | 25.00±0.23 (.984±.009)  | 26.00 (1.024) |
| -30-                    | 30         | 30               | 29.00±0.28 (1.142±.011) | 30.00 (1.181) |
| -34-                    | 34         | 34               | 33.00±0.28 (1.299±.011) | 34.00 (1.339) |
| -40-                    | 40         | 40               | 39.00±0.28 (1.535±.011) | 40.00 (1.575) |
| ▼ -44- ▼                | ▼ 44       | 44               | 43.00±0.28 (1.693±.011) | 44.00 (1.732) |
| 24500-50-100B           | 82-28-3050 | 50               | 49.00±0.28 (1.929±.011) | 50.00 (1.969) |

ENGINEERING NO.

24500-XX-XXXX

A B C D

- A : CABLE 1.00mm. (.039") CENTERS 28AWG STRANDED TINNED
- B : CONDUCTOR SIZE ( AVAILABILITY 10,20,24,26,30,34,40,44 AND 50 )
- C : CABLE LENGTH 100FT. (30.48M.)
- D : A = INCHES  
B = FEET

| SEE CHANGE DETAIL.<br>EC NO: THL2008-0015<br>DRWN: CPANSAKHOM 2007/11/28<br>CHKD: DNARINTARA 2007/11/29<br>APPR: SVIRATJAPOL 2007/12/04 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)  |                    | DIMENSION STYLE<br>MM/IN   |                              | SCALE<br>NTS        | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|---|--------------------|---------------------|--|--------------------|--|------------------------------|---------------------|----------------------|------------------------|----------|-------|-------|----------|-------|-------|---------|-------|-------|----------------|--|--|------------------------|--------------------|--|--|--|--|
|   |                    |                     | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td colspan="3" style="text-align: center;">ANGULAR ± ---°</td> </tr> </table> |                    | mm   | INCH                         | 4 PLACES            | ± ---                | ± ---                  | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | ANGULAR ± ---° |  |  | DRAWN BY<br>CPANSAKHOM | DATE<br>2006/07/10 | TITLE<br>FCB ROUND CONDUCTOR<br>1.00MM(.039)CENTERS PVC.<br>28AWG STR TINNED |  |  |  |
|   |                    |                     | mm   | INCH               |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|   |                    | 4 PLACES            | ± ---  | ± ---              |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|   |                    | 3 PLACES            | ± ---  | ± ---              |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
| 2 PLACES  | ± ---              | ± ---               |  |                    |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
| 1 PLACE   | ± ---              | ± ---               |  |                    |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
| ANGULAR ± ---°  |                    |                     |  |                    |  |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|   |                    |                     | CHECKED BY<br>PMEECHAI   | DATE<br>2006/07/10 | MOLEX INCORPORATED   |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|   |                    |                     | APPROVED BY<br>SVIRATJAPOL   | DATE<br>2006/07/10 | MATERIAL NO.<br>SEE CHART  | DOCUMENT NO.<br>SD-24500-001 | SHEET NO.<br>3 OF 3 |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |
|   |                    |                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                     |                      |                        |          |       |       |          |       |       |         |       |       |                |  |  |                        |                    |  |  |  |  |

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