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Part Number: [0082285506](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded
Topcoat, 6 Circuits, Reel 30.48m (100.0') Length

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR61126
UL	E61522

General

Product Family	Cable
Series	40158
Crimp Quality Equipment	Yes
Geographic Area	Asia
Product Name	Ribbon

Physical

Cable Length	30.48m (100.0')
Circuits (Loaded)	6
Insulation	PVC
Packaging Type	Reel
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	28
Wire/Cable Type	(7x36) Stranded, Topcoat

Electrical

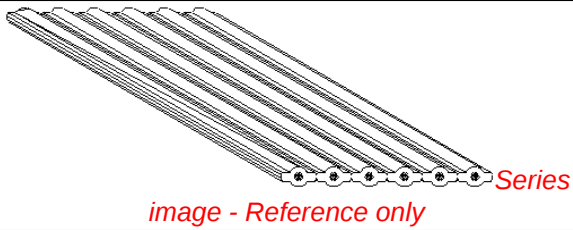
Current - Maximum per Contact	N/A
Voltage - Maximum	300V

Material Info

Old Part Number	40158-06-100B
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Reference - Drawing Numbers

Sales Drawing	SD-40158-001
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

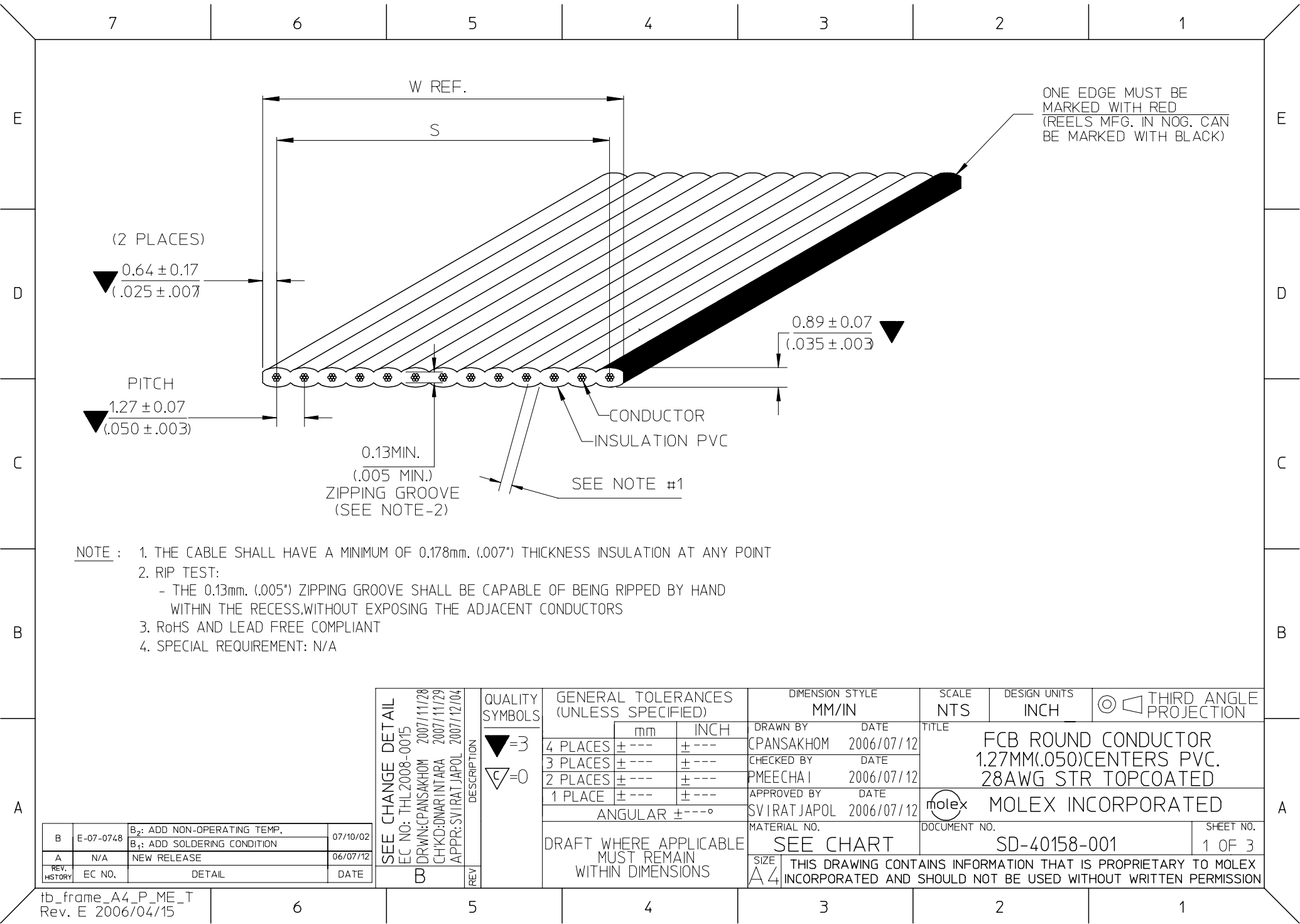
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[40158Series](#)

Use With
[70121](#) MX-50™ Slimline Ribbon Cable.
[90584](#) Picoflex® PF-50 IDT Receptacle

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B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₄ : ADD SOLDERING CONDITION	07/10/02
A	N/A	NEW RELEASE	06/07/12
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

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	2006/07/12
CHECKED BY	DATE
PMEECHAI	2006/07/12
APPROVED BY	DATE
SVIRATJAPOL	2006/07/12
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE FCB ROUND CONDUCTOR 1.27MM(.050)CENTERS PVC. 28AWG STR TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-40158-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

D

1.

B

A

tb_frame_A4_P_ME_T
Rev. E 2006/04/15

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E

D

C

B

A

ENGINEERING NO.

40158-XX-XXXX

A B C D

A B C D

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

B : CONDUCTOR SIZE (AVAILABLE 3 THROUGH 50)

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

D : A = INCHES

B
= FEET

CHART A

DIMENSIONS MM (INCHES)

ENG. NO.	NO.OF COND.	DIMENSION S	DIM. W (REF)	SHIPPED ON 100FT. REELS	
				ENGINEERING NO.	ORDER NO.
40158-3	3	2.54±0.18 (1.00±.007)	3.81 (1.50)	40158-03-100B	82-28-5503
40158-4	4	3.81±0.18 (1.50±.007)	5.08 (2.00)	40158-04-100B	82-28-5504
40158-5	5	5.08±0.18 (2.00±.007)	6.35 (2.50)	40158-05-100B	82-28-5505
40158-6	6	6.35±0.18 (2.50±.007)	7.62 (3.00)	40158-06-100B	82-28-5506
40158-7	7	7.62±0.18 (3.00±.007)	8.89 (3.50)	40158-07-100B	82-28-5507
40158-8	8	8.89±0.18 (3.50±.007)	10.16 (4.00)	40158-08-100B	82-28-5508
40158-9	9	10.16±0.18 (4.00±.007)	11.43 (4.50)	40158-09-100B	82-28-5509
40158-10	10	11.43±0.18 (4.50±.007)	12.70 (5.00)	40158-10-100B	82-28-5510
40158-11	11	12.70±0.18 (5.00±.007)	13.97 (5.50)	40158-11-100B	82-28-5511
40158-12	12	13.97±0.18 (5.50±.007)	15.24 (6.00)	40158-12-100B	82-28-5512
40158-13	13	15.24±0.18 (6.00±.007)	16.51 (6.50)	40158-13-100B	82-28-5513
40158-14	14	16.51±0.18 (6.50±.007)	17.78 (7.00)	40158-14-100B	82-28-5514
40158-15	15	17.78±0.18 (7.00±.007)	19.05 (7.50)	40158-15-100B	82-28-5515
40158-16	16	19.05±0.23 (7.50±.009)	20.32 (8.00)	40158-16-100B	82-28-5516
40158-17	17	20.32±0.23 (8.00±.009)	21.59 (8.50)	40158-17-100B	82-28-5517
40158-18	18	21.59±0.23 (8.50±.009)	22.86 (9.00)	40158-18-100B	82-28-5518
40158-19	19	22.86±0.23 (9.00±.009)	24.13 (9.50)	40158-19-100B	82-28-5519
40158-20	20	24.13±0.23 (9.50±.009)	25.40 (10.00)	40158-20-100B	82-28-5520
40158-21	21	25.40±0.23 (10.00±.009)	26.67 (10.50)	40158-21-100B	82-28-5521
40158-22	22	26.67±0.23 (10.50±.009)	27.94 (11.00)	40158-22-100B	82-28-5522
40158-23	23	27.94±0.23 (11.00±.009)	29.21 (11.50)	40158-23-100B	82-28-5523
40158-24	24	29.21±0.23 (11.50±.009)	30.48 (12.00)	40158-24-100B	82-28-5524
40158-25	25	30.48±0.23 (12.00±.009)	31.75 (12.50)	40158-25-100B	82-28-5525
40158-26	26	31.75±0.23 (12.50±.009)	33.02 (13.00)	40158-26-100B	82-28-5526
40158-27	27	33.02±0.23 (13.00±.009)	34.29 (13.50)	40158-27-100B	82-28-5527
40158-28	28	34.29±0.23 (13.50±.009)	35.56 (14.00)	40158-28-100B	82-28-5528
40158-29	29	35.56±0.23 (14.00±.009)	36.83 (14.50)	40158-29-100B	82-28-5529
40158-30	30	36.83±0.23 (14.50±.009)	38.10 (15.00)	40158-30-100B	82-28-5530
40158-31	31	38.10±0.23 (15.00±.009)	39.37 (15.50)	40158-31-100B	82-28-5531
40158-32	32	39.37±0.23 (15.50±.009)	40.64 (16.00)	40158-32-100B	82-28-5532
40158-33	33	40.64±0.23 (16.00±.009)	41.91 (16.50)	40158-33-100B	82-28-5533
40158-34	34	41.91±0.23 (16.50±.009)	43.18 (17.00)	40158-34-100B	82-28-5534
40158-35	35	43.18±0.23 (17.00±.009)	44.45 (17.50)	40158-35-100B	82-28-5535
40158-36	36	44.45±0.23 (17.50±.009)	45.72 (18.00)	40158-36-100B	82-28-5536
40158-37	37	45.72±0.28 (18.00±.011)	46.99 (18.50)	40158-37-100B	82-28-5537
40158-38	38	46.99±0.28 (18.50±.011)	48.26 (19.00)	40158-38-100B	82-28-5538
40158-39	39	48.26±0.28 (19.00±.011)	49.53 (19.50)	40158-39-100B	82-28-5539
40158-40	40	49.53±0.28 (19.50±.011)	50.80 (20.00)	40158-40-100B	82-28-5540
40158-41	41	50.80±0.28 (20.00±.011)	52.07 (20.50)	40158-41-100B	82-28-5541
40158-42	42	52.07±0.28 (20.50±.011)	53.34 (21.00)	40158-42-100B	82-28-5542
40158-43	43	53.34±0.28 (21.00±.011)	54.61 (21.50)	40158-43-100B	82-28-5543
40158-44	44	54.61±0.28 (21.50±.011)	55.88 (22.00)	40158-44-100B	82-28-5544
40158-45	45	55.88±0.28 (22.00±.011)	57.15 (22.50)	40158-45-100B	82-28-5545
40158-46	46	57.15±0.28 (22.50±.011)	58.42 (23.00)	40158-46-100B	82-28-5546
40158-47	47	58.42±0.28 (23.00±.011)	59.69 (23.50)	40158-47-100B	82-28-5547
40158-48	48	59.69±0.28 (23.50±.011)	60.96 (24.00)	40158-48-100B	82-28-5548
40158-49	49	60.96±0.28 (24.00±.011)	62.23 (24.50)	40158-49-100B	82-28-5549
40158-50	50	62.23±0.28 (24.50±.011)	63.50 (25.00)	40158-50-100B	82-28-5550

SEE CHANGE DETAIL EC NO: THL2008-0015 DRAWN:CPANSAKHOM 2007/11/28 CHKD:UNARINTARA 2007/11/29 APPR:SVIRAT JAPOL 2007/12/04		DESCRIPTION	QUALITY SYMBOLS ▽= ▽C=	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 TOPCOATED						
				4 PLACES	± ---	± ---	CHECKED BY PMEECHAI	DATE 2006/07/12							
				3 PLACES	± ---	± ---	APPROVED BY SVIRAT JAPOL		DATE 2006/07/12		 MOLEX INCORPORATED				
				2 PLACES	± ---	± ---									
1 PLACE	± ---	± ---	ANGULAR ± ---°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				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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