

EU Conduit Classification Key

CLASSIFICATION LEVEL	COMPRESSION STRENGTH (N)	IMPACT STRENGTH KG x H (mm)	MINIMUM TEMPERATURE ()	MAXIMUM TEMPERATURE ()	BENDING	ELECTRICAL PROPERTIES	IP RATING (SOLID INGRESS)	IP RATING (WATER INGRESS)	CORROSION RESISTANCE	TENSE STRENGTH (N)	NON-FLAME PROPAGATING	SUSPENDED LOAD CAPACITY (N)
0	-	-	-	-	-	Not declared	-	0	N/A	Not declared	-	Not declared
1	125	0.5 x 100	5	60	Rigid	Conductor	-	1	Low	100	v	20
2	320	1.0 x 100	-5	90	Pliable	Insulator	-	2	Medium	250	x	30
3	750	2.0 x 100	-15	105	Pli/Semi Rigid	Con/Ins	3	3	Med-Hi	500	-	150
4	1250	2.0 x 300	-25	120	Flexible	-	4	4	High	1000	-	450
5	4000	6.8 x 300	-45	150	-	-	5	5	-	2500	-	850
6	-	-	-	250	-	-	6	6	-	-	-	-
7	-	-	-	400	-	-	-	7	-	-	-	-



Source: BS EN 61386 (EN 50086)

BLISS Performance in BS EN 61386 (EN 50086) Classification Key

BLISS TYPE	COMPRESSION STRENGTH (N)	IMPACT STRENGTH (J)	MINIMUM TEMPERATURE ()	MAXIMUM TEMPERATURE ()	BENDING	ELECTRICAL PROPERTIES	IP RATING (SOLID INGRESS)	IP RATING (WATER INGRESS)	CORROSION RESISTANCE	TENSE STRENGTH (N)	NON-FLAME PROPAGATING	SUSPENDED LOAD CAPACITY (N)
A2012	4	4	5	7	4	1	5	0	2	4	1	2
M2012	4	4	5	7	4	1	5	0	2	4	1	2
A2013(4)	4	4	5	7	4	1	5	0	4	4	1	2
A2082	4	5	5	7	4	1	5	0	4	4	1	3
A2017	4	4	3	2	4	2	6	6	2	4	1	3
M2017	4	4	3	2	4	2	6	6	2	4	1	3
R2017	4	4	3	2	4	2	6	6	2	4	1	3
H2017	4	4	3	2	4	2	6	6	2	4	1	3
A2067	4	4	3	2	4	2	6	7	2	4	1	4
A2066	4	4	3	3	4	2	6	7	2	4	1	4
A2116	4	4	3	3	4	2	6	7	2	4	1	4
A9133	4	4	5	7	4	1	5	0	2	4	1	3
A9333	4	4	3	2	4	3	6	6	2	4	1	3
A9533	4	4	3	2	4	3	6	6	2	4	1	4
N2017	2	4	4	4	4	2	6	6	4	2	1	2
E2017	2	3	4	2	4	2	6	6	4	2	2	2

Sample: 1/2" conduit

Test Report

Report No	286/4827800	This Report consists of 11 pages
Client	Bliss Yih Enterprise Co Ltd 9, Lane 8-1, Alley 44, Sec 1 Taiping Taichung 41143 Taiwan	
Authority & date	BSI Product Services Quotation Acceptance Form No BSI 0000048502 Dated 27 July 2006	
Items tested	Flexible steel conduit and fittings	
Specification	BS EN 61386-23:2004 Clauses 7.5, 8.1, 9.1, 10.2, 10.3, 10.5, 10.7, 11.5 and 14.1.1 Independent Test	
Results	See Summary of Results on Page 2	
Prepared by	G R Essam 	Principal Engineer
Authorized by	D T Gall 	Certification Manager
Issue Date	5 December 2007	
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of PS082 'General conditions relating to acceptance of testing'. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the Managing Director, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

EXAMINATION AND TEST

CLAUSE		ASSESSMENT																																													
6.	CLASSIFICATION																																														
	The classification coding format for the declared properties of the conduit system may be incorporated in the manufacturer's literature																																														
	<table border="1"> <thead> <tr> <th style="text-align: left;">Conduit</th> <th style="text-align: left;">Classification</th> <th></th> </tr> </thead> <tbody> <tr> <td>3/8" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1/2" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>3/4" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1 1/4" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1 1/2" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>2" PVC coated conduit</td> <td>444141300400</td> <td style="text-align: right;">-</td> </tr> <tr> <td>3/8" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1/2" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>3/4" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1 1/4" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>1 1/2" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> <tr> <td>2" steel conduit</td> <td>444141300300</td> <td style="text-align: right;">-</td> </tr> </tbody> </table>	Conduit	Classification		3/8" PVC coated conduit	444141300400	-	1/2" PVC coated conduit	444141300400	-	3/4" PVC coated conduit	444141300400	-	1" PVC coated conduit	444141300400	-	1 1/4" PVC coated conduit	444141300400	-	1 1/2" PVC coated conduit	444141300400	-	2" PVC coated conduit	444141300400	-	3/8" steel conduit	444141300300	-	1/2" steel conduit	444141300300	-	3/4" steel conduit	444141300300	-	1" steel conduit	444141300300	-	1 1/4" steel conduit	444141300300	-	1 1/2" steel conduit	444141300300	-	2" steel conduit	444141300300	-	
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7.	MARKING																																														
	The conduit shall be marked at regular intervals along its length of preferably 1 m but no longer than 3 m																																														
7.1	Specified Marking																																														
	(a) The minimum inside diameter																																														
	(b) The minimum bend radius																																														
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	Actual Marking																																														
	1 1/4" PVC coated conduit																																														
	(for information)																																														
	Bliss M20171240 BSI QA ISO – 9001 FM 27105	-																																													
	640 mm between markings	-																																													
	Flexible steel conduit																																														
	No marking present on conduit	-																																													
7.5	The marking shall be durable and easily legible.	Pass																																													