

Prüfbericht-Nr.: Test Report No.:	27117929 001	Auftrags-Nr.: Order No.:	C-2014-0766	Seite 1 von 22 Page 1 of 22
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	17.07.2014	
Auftraggeber: Client:	Ünal Kablo San. Ve Tic. Ltd. Şti. Ortaköy Merkez Mahllesi Atalay Sok. No: 3 34550 Silivri/Istanbul, Turkey			
Prüfgegenstand: Test item:	Heat resistant ordinary PVC-sheathed flexible flat cord for a maximum conductor temperature of 90°C			
Bezeichnung / Typ-Nr.: Identification / Type No.:	300/500 V 60227 IEC 57 H05V2V2H2-F 2x0,75mm ² CU/PVC/PVC 300/500 V 60227 IEC 57 H05V2V2H2-F 2x1,0mm ² CU/PVC/PVC			
Auftrags-Inhalt: Order content:	Type Test Report			
Prüfgrundlage: Test specification:	IEC 60227-5 (Third Edition): 2011 IEC 60227-1 (Third Edition): 2007 IEC 60227-2 (Second Edition):1997 and A1: 2003			
Wareneingangsdatum: Date of receipt:	21.07.2014			
Prüfmuster-Nr.: Test sample No.:	N/A			
Prüfzeitraum: Testing period:	21.07.2014 – 13.10.2014			
Ort der Prüfung: Place of testing:	See Other below for details			
Prüflaboratorium: Testing laboratory:	See Other in page 2 for details			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
13.10.2014	Jill Zhou/PE	15.10.2014	Ihsan Dora Uner/TC	
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
				Unterschrift Signature
Sonstiges / Other: Place of testing: China National Centre for Quality Supervision and Test of Electric Wire and Cable 1000 Jungong Road, Shanghai 200093, P.R. China See more information on page 2.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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Test Report No.:

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Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	See coverpage
2	Maße / Gewicht <i>Dimensions / Weight</i>	See pages 9,11,15 and 17
3	Bedienelemente <i>Operating elements</i>	N/A
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	N/A
5	Verwendete Materialien <i>Used materials</i>	See pages 8,9,14 and 15
6	Sonstiges <i>Other</i>	<p>All tests according to IEC 60227-5 (Third Edition): 2011 in this test report are performed to the complete cable 300/500 V 60227 IEC 57 flat cord 2x0,75mm² CU/PVC/PVC provided by the client with 50m and 300/500 V 60227 IEC 57 flat cord 2x1,0 mm² CU/PVC/PVC provided by the client with 50m.</p> <p>This report contains 22 pages.</p> <p>Testing Laboratory: TÜV Rheinland Türkiye Uluslararası Standartlar ve Sertifikasyon Denetim A.Ş.</p>

List of Attachments (including a total number of pages in each attachment):

N/A

TEST REPORT IEC 60227-5 Polyvinyl chloride insulated cables of a rated voltages up to and including 450/750V Part 5: Flexible cables (cords)	
Report Reference No.	27117929 001
Date of issue	13.10.2014
Total number of pages	22
Applicant's name	Ünal Kablo San. Ve Tic. Ltd. Şti.
Address.....	Ortaköy Merkez Mahllesi Atalay Sok. No: 3 34550 Silivri/Istanbul, Turkey
Test specification:	
Standard	IEC 60227-5 (Third Edition): 2011 in conjunction with IEC 60227-1 (Third Edition): 2007 and IEC 60227-2 (Second Edition):1997 and A1: 2003
Test procedure.....	Type Approval
Non-standard test method.....	N/A
Test Report Form No.	IEC60227_5F
Test Report Form(s) Originator	CQC
Master TRF	2013-01
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Test item description.....	Heat resistant ordinary PVC-sheathed flexible flat cord for a maximum conductor temperature of 90°C
Trade Mark.....	ÜNAL KABLO
Manufacturer	Ünal Kablo San. Ve Tic. Ltd. Şti.
Model/Type reference.....	60227 IEC 57 / 2x0,75mm ² - 2x1,0 mm ²
Ratings.....	300/500 V

<p>Testing procedure and testing location:</p> <p><input type="checkbox"/> CB Testing Laboratory: Testing location/ address</p> <p><input type="checkbox"/> Associated CB Laboratory: Testing location/ address</p> <p style="padding-left: 40px;">Tested by (name + signature)</p> <p style="padding-left: 40px;">Approved by (name + signature) ...</p>
<p><input type="checkbox"/> Testing procedure: TMP Tested by (name + signature)</p> <p style="padding-left: 40px;">Approved by (name + signature) ...</p> <p>Testing location/ address</p>
<p><input type="checkbox"/> Testing procedure: WMT Tested by (name + signature)</p> <p style="padding-left: 40px;">Witnessed by (name + signature) ...</p> <p style="padding-left: 40px;">Approved by (name + signature) ...</p> <p>Testing location/ address</p>
<p><input type="checkbox"/> Testing procedure: SMT Tested by (name + signature)</p> <p style="padding-left: 40px;">Approved by (name + signature) ...</p> <p style="padding-left: 40px;">Supervised by (name + signature) :</p> <p>Testing location/ address</p>
<p><input type="checkbox"/> Testing procedure: RMT Tested by (name + signature)</p> <p style="padding-left: 40px;">Approved by (name + signature) ...</p> <p style="padding-left: 40px;">Supervised by (name + signature) :</p> <p>Testing location/ address</p>

The test procedure is not implemented as CB scheme, therefore above procedure is unavailable.

List of Attachments (including a total number of pages in each attachment): N/A

Summary of testing: The EUT has been tested and found to be in compliance with IEC 60227-5 (Third Edition): 2011 in conjunction with IEC 60227-1 (Third Edition): 2007 and IEC 60227-2 (Second Edition): 1997 + A1: 2003

Tests performed (name of test and test clause):

All tests according to IEC 60227-5 (Third Edition): 2011 in this test report are performed to the complete cable 300/500 V 60227 IEC 57 flat cord 2x0,75mm² CU/PVC/PVC provided by the client with 50m and 300/500 V 60227 IEC 57 flat cord 2x1,0 mm² CU/PVC/PVC provided by the client with 50m.

Testing location:

China National Centre for Quality Supervision and Test of Electric Wire and Cable
1000 Jungong Road, Shanghai 200093,
P.R. China

Summary of compliance with National Differences

List of countries addressed: N/A

Copy of marking plate

ÜNAL KABLO H05V2V2H2-F 2x0,75 mm² 300/500V 60227 IEC 57

ÜNAL KABLO H05V2V2H2-F 2x1,0 mm² 300/500V 60227 IEC 57

Test item particulars	Heat resistant ordinary PVC-sheathed flexible flat cord for a maximum conductor temperature of 90°C
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement.....	F (Fail)
Date of receipt of test item : 21.07.2014	
Date (s) of performance of tests : 21.07.2014 – 13.10.2014	
General remarks:	
<p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</p>	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60227:	
<p>The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable</p>	
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies) : Ünal Kablo San. Ve Tic. Ltd. Şti. Ortaköy Merkez Mahllesi Atalay Sok. No: 3 34550 Silivri/Istanbul, Turkey	
General product information:	
<p>The product covered by this report is a 300/500 V PVC insulated PVC sheathed, heat resistant flat cable with copper conductor.</p> <p>Number of cores : 2 Crosssections : 0,75 mm² – 1,0 mm² Conductor : Class 5 Maximum conductor temperature : 90°C</p>	

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

TESTS FOR 60227 IEC 57 2x0,75 mm²

CONSTRUCTION			
Number of cores		2	P
Insulation	PVC compound of type PVC/	PVC/E	P
Assembly of cores		2 cores laid parallel	P
Centre filler	Optional		N/A
Filling	Optional		N/A
Sheath	PVC compound of type PVC/ST	PVC/ST10	P

MARKING			
Indication of origin	Indelible, clearly discernible, name continuous and easily legible	Indelible, clearly discernible, name continuous and easily legible	P
Distance between the markings mm	max. 550	545	P
Core identification	Clearly identifiable and durable	Clearly identifiable and durable	P
Colour scheme		BLUE BROWN	P
Colour distribution on green/yellow core %	Any 15mm >30 <70		N/A

ELECTRICAL TESTS			
Voltage test			
Complete sample 5 min 2000 V	No breakdown	No breakdown	P
Cores 5 min 1500 V	No breakdown	No breakdown	P
Insulation resistance			
at 70 °C MΩ/km	min.0,011	0,162	P
Long term resistance of insulation to d.c.			
Cores	No damage to the insulation		N/A
Water temp.60°C			
5m, 240 h 220V dc	No breakdown		N/A

IEC 60227-5				
Clause	Requirement + Test	Result - Remark		Verdict

CONDUCTORS					
Material	Copper	Copper		P	
Tinned or plain		Plain		P	
Number of wires		24		P	
Diameter of wires	mm	max.0,21	0,20	0,20	P
Resistance at 20 °C	Ω/km	max.26	22,41	22,23	P

Colour of insulation	BLUE	BROWN	P
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INSULATION APPLICATION			
Insulation	To fit closely to remove without damage	Removed without damage	P

THICKNESS					
Specified value	mm	min.0,60	0,67	0,65	P
Minimum value	mm	min.0,44	0,54	0,58	P

MECHANICAL PROPERTIES OF INSULATION					
Before ageing					
TS	N/mm ²	min.15,0	18,12	18,23	P
EB	%	min.150	327	335	P
After ageing in air oven, 240 h 135±2°C					
TS	N/mm ²	min.15,0	17,13	17,70	P
EB	%	min.150	298	330	P
Difference					
TS	%	± max.25	-5	-3	P
EB	%	± max.25	-9	-1	P
Non-contamination test, h °C					
TS	N/mm ²	min.			N/A
EB	%	min.			N/A
Difference					
TS	%	±max.			N/A
EB	%	±max.			N/A

IEC 60227-5					
Clause	Requirement + Test		Result - Remark		Verdict
Colour of insulation			BLUE	BROWN	P
LOSS OF MASS TEST					
Ageing			240 h, 115 °C		
Loss of weight	mg/cm ²	2,0 max.	0,0113	0,0090	P
PRESSURE TEST AT HIGH TEMPERATURE					
Force	N	1,096 N			
Temperature	°C	90			
Duration	h	4			
Impression	%	50max.	10		P
TESTS AT LOW TEMPERATURE					
Cold bending test					
Number of turns		6			
Diameter of mandrel	mm	12			
Temperature	°C	-15			
Cooling time	h	16			
Results to be obtained		No cracks	No cracks		P
HEAT SHOCK TEST					
Number of turns		6			
Diameter of mandrel	mm	9			
Temperature	°C	150			
Duration	h	1			
Results to be obtained		No cracks	No cracks		P
THERMAL STABILITY					
Temperature	200 ± 0,5 °C min	180min.			P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

SHEATH APPLICATION			
Adherence to cores	Not allowed	No adherence	P

MEAN OVERALL DIMENSIONS				
Lower limit	mm	min.3,7x6,0	4,4x6,6	P
Upper limit	mm	max.4,5x7,2		
Difference between any two values on one place	mm	max.		N/A

SHEATH THICKNESS				
Specified value	mm	min.0,80	0,86	P
Minimum value	mm	min.0,58	0,73	P

MECHANICAL PROPERTIES OF SHEATH				
Before ageing				
TS	N/mm ²	min.10	17,00	P
EB	%	min.150	230	P
After ageing in air oven,			240 h, 135°C	
TS	N/mm ²	min.10	16,70	P
EB	%	min.150	250	P
Difference				
TS	%	± max.25	-2	P
EB	%	± max.25	+8	P
Non-contamination test,			h, °C	
TS	N/mm ²	min.		N/A
EB	%	min.		N/A
Difference				
TS	%	± max.		N/A
EB	%	± max.		N/A

LOSS OF MASS TEST				
Ageing			240h, 115±2°C	
Loss of weight	mg/cm ²	2,0max.	0,0100	P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

PRESSURE TEST AT HIGH TEMPERATURE			
Force	N	1,60	
Temperature	°C	90	
Duration	h	4h	
Impression	%	50max.	15% P

TESTS AT LOW TEMPERATURE			
Cold bending test			
Number of turns		6	
Diameter of mandrel	mm	19	
Temperature	°C	-15	
Cooling time	h	4	
Results to be obtained		No cracks	No cracks P
Cold elongation test			
Temperature	-15 °C		
Cooling time	h		
Elongation without break	%	20 min.	N/A
Cold impact test			
Mass of hammer	g	100	
Temperature	°C	-15	
Cooling time	h	16	
Results to be obtained		No cracks	No cracks P

HEAT SHOCK TEST			
Number of turns		6	
Diameter of mandrel	mm	9	
Temperature	°C	150	
Duration	h	1h	
Results to be obtained		No cracks	No cracks P

THERMAL STABILITY			
Temperature	200 ± 0,5 °C min	180 min.	P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

MECHANICAL STRENGTH OF COMPLETED CABLE			
Flexing test			
Diameter pulleys	mm	80	
Weight	kg	1	
Load	A, V	1A, 230 V	
Number of movements		2x15000	P
Current during test		No interruption	P
Voltage test	5 min 2000 V	No breakdown	P
Bending test			
Weight	kg	0,5	
Load	A	0,1	
Number of flexings		60000	
Rate of flexing		60/min	
Current during test		No interruption	N/A
Voltage test	5 min 1500 V	No breakdown	N/A
Snatch test			
Weight	kg	0,5	
Load	A	0,1	
Number of falls		5	
Current during test		No interruption	N/A

TEST UNDER FIRE CONDITIONS			
Flame applied for	s	60	
The distance between the lower edge of the top support and the onset of charring		great than 50mm	418 P
Charring extends downwards to a point from the lower edge of the top support		not great than 540mm	492 P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

TESTS FOR 60227 IEC 57 2x1 mm²

CONSTRUCTION			
Number of cores		2	P
Insulation	PVC compound of type PVC/	PVC/E	P
Assembly of cores		Flat cord	P
Centre filler	Optional		N/A
Filling	Optional		N/A
Sheath	PVC compound of type PVC/ST	PVC/ST10	P

MARKING			
Indication of origin	Indelible, clearly discernible, name continuous and easily legible	Indelible, clearly discernible, name continuous and easily legible	P
Distance between the markings mm	max. 550	545	P
Core identification	Clearly identifiable and durable	Clearly identifiable and durable	P
Colour scheme		BLUE BROWN	P
Colour distribution on green/yellow core %	Any 15mm >30 <70		N/A

ELECTRICAL TESTS			
Voltage test			
Complete sample 5 min 2000 V	No breakdown	No breakdown	P
Cores 5 min 1500 V	No breakdown	No breakdown	P
Insulation resistance			
at 90 °C MΩ/km	min.0,011	0,162	P
Long term resistance of insulation to d.c.			
Cores	No damage to the insulation		N/A
Water temp.60°C			
5m, 240 h 220V dc	No breakdown		N/A

IEC 60227-5					
Clause	Requirement + Test		Result - Remark		Verdict

CONDUCTORS					
Material	Copper		Copper		P
Tinned or plain			Plain		P
Number of wires			32		P
Diameter of wires	mm	max.0,21	0,20	0,20	P
Resistance at 20 °C	Ω/km	max.19,5	18,71	18,75	P

Colour of insulation	BLUE	BROWN	P
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INSULATION APPLICATION			
Insulation	To fit closely to remove without damage	Removed without damage	P

THICKNESS					
Specified value	mm	min.0,60	0,71	0,67	P
Minimum value	mm	min.0,44	0,59	0,61	P

MECHANICAL PROPERTIES OF INSULATION					
Before ageing					
TS	N/mm ²	min.15,0	18,2	18,3	P
EB	%	min.150	318	341	P
After ageing in air oven, 240 h 135±2°C					
TS	N/mm ²	min.15,0	17,2	17,8	P
EB	%	min.150	295	323	P
Difference					
TS	%	± max.25	-5	-3	P
EB	%	± max.25	-7	-5	P
Non-contamination test, h °C					
TS	N/mm ²	min.			N/A
EB	%	min.			N/A
Difference					
TS	%	±max.			N/A
EB	%	±max.			N/A

IEC 60227-5					
Clause	Requirement + Test		Result - Remark		Verdict
Colour of insulation			BLUE	BROWN	P
LOSS OF MASS TEST					
Ageing			240 h, 115 °C		
Loss of weight	mg/cm ²	2,0 max.	0,0123	0,0107	P
PRESSURE TEST AT HIGH TEMPERATURE					
Force	N	1,11			
Temperature	°C	90			
Duration	h	4			
Impression	%	50max.	19		P
TESTS AT LOW TEMPERATURE					
Cold bending test					
Number of turns		6			
Diameter of mandrel	mm	12			
Temperature	°C	-15			
Cooling time	h	16			
Results to be obtained		No cracks	No cracks		P
HEAT SHOCK TEST					
Number of turns		6			
Diameter of mandrel	mm	9			
Temperature	°C	150			
Duration	h	1			
Results to be obtained		No cracks	No cracks		P
THERMAL STABILITY					
Temperature	200 ± 0,5 °C min	180min.			P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

SHEATH APPLICATION			
Adherence to cores	Not allowed	No adherence	P

MEAN OVERALL DIMENSIONS				
Lower limit	mm	min.3,9 x 6,2	4,5 x 6,7	P
Upper limit	mm	max.4,7 x 7,5		
Difference between any two values on one place	mm	max.		N/A

SHEATH THICKNESS				
Specified value	mm	min.0,80	0,88	P
Minimum value	mm	min.0,58	0,76	P

MECHANICAL PROPERTIES OF SHEATH				
Before ageing				
TS	N/mm ²	min.10,0	16,0	P
EB	%	min.150	223	P
After ageing in air oven,		240 h, 135°C		
TS	N/mm ²	min.10,0	16,8	P
EB	%	min.150	251	P
Difference				
TS	%	± max.25	5	P
EB	%	± max.25	13	P
Non-contamination test,		h, °C		
TS	N/mm ²	min.		N/A
EB	%	min.		N/A
Difference				
TS	%	± max.		N/A
EB	%	± max.		N/A

LOSS OF MASS TEST				
Ageing		240h, 115±2°C		
Loss of weight	mg/cm ²	2,0max.	0,0112	P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

PRESSURE TEST AT HIGH TEMPERATURE			
Force	N	1,62	
Temperature	°C	90	
Duration	h	4h	
Impression	%	50max.	16 P

TESTS AT LOW TEMPERATURE			
Cold bending test			
Number of turns		6	
Diameter of mandrel	mm	19	
Temperature	°C	-15	
Cooling time	h	16	
Results to be obtained		No cracks	No cracks P
Cold elongation test			
Temperature	-15 °C		
Cooling time	h		
Elongation without break	%	20 min.	N/A
Cold impact test			
Mass of hammer	g	100	
Temperature	°C	-15	
Cooling time	h	16	
Results to be obtained		No cracks	No cracks P

HEAT SHOCK TEST			
Number of turns		6	
Diameter of mandrel	mm	9	
Temperature	°C	150	
Duration	h	1	
Results to be obtained		No cracks	No cracks P

THERMAL STABILITY			
Temperature	200 ± 0,5 °C min	180 min.	P

IEC 60227-5			
Clause	Requirement + Test	Result - Remark	Verdict

MECHANICAL STRENGTH OF COMPLETED CABLE			
Flexing test			
Diameter pulleys	mm	80	
Weight	kg	1	
Load	A , V	1A, 230 V	
Number of movements		2x15000	P
Current during test		No interruption	P
Voltage test	5 min 2000 V	No breakdown	P
Bending test			
Weight	kg	0,5	
Load	A	0,1	
Number of flexings		60000	
Rate of flexing		60/min	
Current during test		No interruption	N/A
Voltage test	5 min 1500 V	No breakdown	N/A
Snatch test			
Weight	kg	0,5	
Load	A	0,1	
Number of falls		5	
Current during test		No interruption	N/A

TEST UNDER FIRE CONDITIONS			
Flame applied for	s	60	
The distance between the lower edge of the top support and the onset of charring		great than 50mm	422 P
Charring extends downwards to a point from the lower edge of the top support		not great than 540mm	497 P

APPENDIX WITH ADDITIONAL TESTING ACCORDING TO EN 50525			
Clause	Requirement + Test	Result - Remark	Verdict

ELECTRICAL TESTS			
Voltage test			
Length of sample 20 m (min)			
Complete sample 5 min V	No breakdown		N/A
Cores 5 min V	No breakdown		N/A
Long term resistance of insulation to d.c.			
Cores	No damage to the insulation		N/A
Water temp.60°C			
5m, 240 h 220V dc	No breakdown		N/A

MECHANICAL STRENGTH OF COMPLETED CABLE			
Flexing test			
Diameter pulleys	mm		
Weight	kg		
Load	A V		
Number of movements	2x30000		
Current during test	No interruption		N/A
Voltage test	min 2000 V	No breakdown	N/A

APPENDIX WITH ADDITIONAL TESTING ACCORDING TO EN 50525				
Clause	Requirement + Test		Result - Remark	Verdict
Colour of insulation				N/A
MECHANICAL PROPERTIES OF INSULATION				
Before ageing				
TS	N/mm ²	min.		N/A
EB	%	min.		N/A
After ageing in air oven,			h °C	
TS	N/mm ²	min.		N/A
EB	%	min.		N/A
Difference				
TS	%	± max.		N/A
EB	%	± max.		N/A
Non-contamination test,			h °C	
TS	N/mm ²	min.		N/A
EB	%	min.		N/A
Difference				
TS	%	±max.		N/A
EB	%	±max.		N/A
LOSS OF MASS TEST				
Ageing			h °C	
Loss of weight	mg/cm ²	1,5 max.		N/A
THERMAL STABILITY				
Temperature	200 ± 0,5 °C	min	240min.	N/A

APPENDIX WITH ADDITIONAL TESTING ACCORDING TO EN 50525			
Clause	Requirement + Test	Result - Remark	Verdict

MECHANICAL PROPERTIES OF SHEATH			
Before ageing			
TS	N/mm ²	min.	N/A
EB	%	min.	N/A
After ageing in air oven,		h °C	
TS	N/mm ²	min.	N/A
EB	%	min.	N/A
Difference			
TS	%	± max.	N/A
EB	%	± max.	N/A
Non-contamination test,		h °C	
TS	N/mm ²	min.	N/A
EB	%	min.	N/A
Difference			
TS	%	± max.	N/A
EB	%	± max.	N/A

LOSS OF MASS TEST			
Ageing		h °C	
Loss of weight	mg/cm ²	1,5max.	N/A

TESTS AT LOW TEMPERATURE			
Cold impact test			
Mass of hammer	g		
Temperature	-5 °C		
Cooling time	h		
Results to be obtained	No cracks		N/A

THERMAL STABILITY			
Temperature	200 ± 0,5 °C	min	240 min.
			N/A