



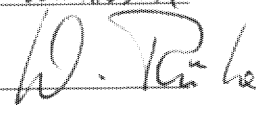


Title: **PFM Cryo-Harness Branch Characteristics**

CI-No: 121430

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Issue	Date	Sheet	Description of Change	Release
1.0	23.10.03	all	First issue	
2.0	06.02.04	7	Annex 1: Cryo Control Harness CCH Update Harness Bundle Characteristic Lists to: length; connectors; backshells and cables.	
		22	Annex 2: HIFI Instrument Harness SIH Update Harness Bundle Characteristic Lists to: length; connectors; backshells and cables	
		30	Annex 3: PACS Instrument Harness SIH Update Harness Bundle Characteristic Lists to: length; connectors; backshells and cables	
		40	Annex 4: SIRE Instrument Harness SIH Update Harness Bundle Characteristic Lists to: length; connectors; backshells and cables	
2.1	22.03.04	7	Annex 1: Cryo Control Harness CCH Change harness length of CVV external harness(red marked)	
		22	Annex 2: HIFI Instrument Harness SIH Update acc. To SCI-PT-IIDB/HIFI-02125 iss.3.1 / 13-01-04 Change harness length of CVV external harness(red marked)	
		30	Annex 3: PACS Instrument Harness SIH Update acc. To SCI-PT-IIDB/PACS-02126 iss.3.1 / 20-01-04 Change harness length of CVV external harness(red marked)	
		40	Annex 4: SIRE Instrument Harness SIH Update acc. To SCI-PT-IIDB/SPIRE-02124 iss.3.11 / 07-01-04 Change harness length of CVV external harness(red marked)	
2.2	19.07.04	7	Chapter 4 ANNEX 1: CRYO CONTROL HARNESS CCH 1-1 CCH Harness internal CVV All Harness Bundles: change connector type NANONICS into MRN4194-15P Harness Bundle CCH-DCA17: update Backshells Harness Bundle CCH-DCA16: update CATIA length Harness Bundle CCH-DCB16: update Backshells Harness Bundle CCH-CCE10: update CATIA length and No. of Cable	

Issue	Date	Sheet	Description of Change	Release
		24	<p>Harness Bundle CCH-DCE17: update Backshells Harness Bundle CCH-CCE20: update CATIA length Harness Bundle CCH-DCA16: update CATIA length and Cable - Type. Harness Bundle CCH-DCM21: update Backshells Harness Bundle CCH-DCM22: update Backshells Harness Bundle CCH-DCM23: update Backshells Harness Bundle CCH-DCA24: update Backshells Harness Bundle CCH-CCB12: update Cable-Type and Backshell Harness Bundle CCH-DCB25: update Backshells Harness Bundle CCH-CCE11: update CATIA length Harness Bundle CCH-DCE32: update CATIA length and Backshell Harness Bundle CCH-DCE24: update Backshells Harness Bundle CCH-DCE33: update Backshells Harness Bundle CCH-DCE34: update Backshells Harness Bundle CCH-DCE25: update Backshells Harness Bundle CCH-DCE27: update Backshells Harness Bundle CCH-DCE30: update Backshells Harness Bundle CCH-DCE28: update Backshells Harness Bundle CCH-DCM24: update Backshells Harness Bundle CCH-DCE31: update Backshells Harness Bundle CCH-DCME29: update Backshells</p> <p>1-3 CCH Harness SVM Change harness connector type on CCU-A and CCU-B (50/25-socket to 50/25-pin)</p> <p>Chapter 5 ANNEX 2: CRYO CONTROL HARNESS CCH 2-1 HIFI Harness internal CVV Harness Bundle SIH-CH-02: update CATIA length Harness Bundle SIH-CH-03: update CATIA length Harness Bundle SIH-CH-04: update CATIA length</p> <p>2-3 HIFI Harness SVM Harness Bundle SIH-CH-01: update CATIA length Harness Bundle SIH-CH-02: update CATIA length Harness Bundle SIH-CH-03: update CATIA length Harness Bundle SIH-CH-04: update CATIA length Harness Bundle SIH-CH-05: update CATIA length</p>	

Issue	Date	Sheet	Description of Change	Release
		32	<p>Chapter 6 ANNEX 3: CRYO CONTROL HARNESS CCH</p> <p>3-1 PACS Harness internal CVV</p> <p>Harness Bundle SIH-CP-01: update CATIA length</p> <p>Harness Bundle SIH-CP-02: update CATIA length</p> <p>Harness Bundle SIH-CP-03: update CATIA length</p> <p>Harness Bundle SIH-CP-07: update CATIA length</p> <p>Harness Bundle SIH-CP-08: update CATIA length</p> <p>Harness Bundle SIH-CP-09: update CATIA length</p> <p>Harness Bundle SIH-CP-10: update CATIA length</p> <p>Harness Bundle SIH-CP-11: update CATIA length</p> <p>Harness Bundle SIH-CP-12: update CATIA length</p> <p>3-3 PACS Harness SVM</p> <p>Harness Bundles SIH-SP-01 to SIH-SP-15: update CATIA length</p>	
		42	<p>Chapter 7 ANNEX 4: CRYO CONTROL HARNESS CCH</p> <p>4-1 SPIRE Harness internal CVV</p> <p>Harness Bundle SIH-CS-01: update CATIA length</p> <p>Harness Bundle SIH-CP-02: update CATIA length and No. of Cable</p> <p>Harness Bundle SIH-CP-04: update CATIA length</p> <p>Harness Bundle SIH-CP-05: update CATIA length</p> <p>Harness Bundle SIH-CP-06: update CATIA length</p> <p>Harness Bundle SIH-CP-07: update CATIA length</p> <p>Harness Bundle SIH-CP-09: update CATIA length</p> <p>Harness Bundle SIH-CP-10: update Cable-type</p> <p>Harness Bundle SIH-CP-11: update CATIA length and Cable-type</p> <p>Harness Bundle SIH-CP-12: : update Cable-type</p> <p>Harness Bundle SIH-CP-13: update CATIA length</p> <p>4-2 SPIRE Harness external CVV</p> <p>Harness Bundle SIH-IP-01: update Cable-type and No. of Cable</p> <p>Harness Bundle SIH-IP-03: update No. of Cable</p> <p>Harness Bundle SIH-IP-04: update No. of Cable</p> <p>4-3 SPIRE Harness SVM</p> <p>Harness Bundles SIH-SS-02, SIH-SS-11 and SIH-SS-12: update CATIA length</p>	

Issue	Date	Sheet	Description of Change	Release
3.0	22.07.05	09 - 23	Changes for Cryo Control Harness CCH - insert new column for harness length "as built" - record of bundle harness mass - update of connector backshell types and connector types	
		24 - 31	Changes for SIH HIFI Harness - insert new column for harness length "as built" - record of bundle harness mass - update of connector backshell types and connector types	
		32 - 40	Changes for SIH PACS Harness - insert new column for harness length "as built" - record of bundle harness mass - update of connector backshell types and connector types	
		41 - 49	Changes for SIH SPIRE Harness - insert new column for harness length "as built" - record of bundle harness mass - update of connector backshell types and connector types	

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1 Introduction

The Herschel instruments harness and cryo control harness data summarized within this document have been established as input for harness routing, manufacturing, mass determination, cable quantity and connector size and backshell size definition.

The harness bundle dimensions are calculated in accordance to cable data from GORE (GORE data sheets GSC-05-82-xxx-00).

The cable branch length have been taken from the 3D CATIA CH harness models. For raw cable cutting an attrition of 300 mm have been taken on top.

All cable types and quantity of cables are specified in AD1 to AD7.

2 Documents

2.1 Applicable Documents

The following documents from a part of this document to the extent specified herein. Unless an issue is quoted for a document, the current issue is deemed to apply. When an issue is quoted, that issue and no other must be used.

- AD-1 Herschel/Planck Instrument Interface Document – Part B, SCI-PT-IIDB/SPIRE-2124 Issue: 3.3, Date: 21.06.04
- AD-2 Herschel/Planck Instrument Interface Document – Part B, SCI-PT-IIDB/PACS-2126, Issue: 3.3, Date: 31.05.05
- AD-3 Hersche / Planck Instrument Interface Document – Part B, SCI-PT-IIDB/HIFI-02125, Issue: 3.2, Date: 05.02.04
- AD-4 PFM Cryo-Harness CCH - EICD HP-2-ASED-IC-0013, Issue: 2.0, Date: 01.07.05
- AD-5 PFM Cryo-Harness HIFI - EICD HP-2-ASED-IC-0014, Issue: 2.0, Date: 10.02.05
- AD-6 PFM Cryo-Harness PACS - EICD HP-2-ASED-IC-0015, Issue: 2.0, Date: 26.11.04
- AD-7 PFM Cryo-Harness SPIRE - EICD HP-2-ASED-IC-0016, Issue: 2.0, Date: 11.03.05

2.2 Reference Documents

- RD-1 Herschel Cryo-Harness Input to Thermal Analysis , HP-2-ASED-TN-0010
- RD-2 Drawing Data Package for PFM Cryo-Harness Bracket and Attachments, HP-2-ASED-DP-0028
- RD-3 Herschel Cryo-Harness Wire and Cable Configurations , HP-2-ASED-DS-0001 (in progress)
- RD-4 SCC 3901 / 019 Poliimid Wire and Cables (SPL)
- RD-5 SCC 3401 / 002 / 005 Rectangular Connector
- RD-6 MIL-C-38999 series 2 // SCC 3401 / 044
- RD-7 MIL-C-81513 Micro-Connectors // SCC-3401-029

3 General Remarks

3.1 Harness Branch Tables

The harness cable data from diameters and mass figures per branch have been used to calculate the harness. For connectors and back-shells, data sheets from the manufactures concerning the mechanical dimensions have been used.

The single harness bundles have been calculated for the following harness sections:

- Cryo Harness CVV internal
- Cryo-Harness CVV external
- Cryo-Harness SVM

After finishing the single harness branches, CASA and ASSE will update the tables upon the H/W measured data, like bundle diameter, routed cable length resistance and mass

3.2 Harness Branch Length

For the harness branch calculations, length determination performed on the CATIA model have been taken into account.

All harness length are calculated with CATIA length with an additonal cable length of 0,30 m.

4 ANNEX 1: CRYO CONTROL HARNESS CCH

1 -1 CCH Harness internal CVV

1 - 2 CCH Harness external CVV

1 - 3 CCH Harness SVM

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)														
Harness Bundle CCH-CCA10														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	B21Acks.-Type	C21Abi.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	B21Acks.-Type	weight(g)	
CVV-4F-CB 211121	J35	197-011P22-35P	100/172_173-01_A	H02038SO	2	0,291	0,59	0,591	TS-CB 214464	P01	MWDM-9P	2547-151-432-143-01-0A	213,1	
				H02038SO	2	0,405	0,69	0,705	TS-CB 214424	P01	MWDM-9P	2547-151-432-143-01-0A		
				H02038SO	6	1,326	1,68	1,626	USFW-CB 214333	J01	MWDM-25S	2547-151-431-171-01-0A		
				H02038SO	2	1,458	1,76	1,758	OBS-CB 214411	J02	MWDM-9S	2547-151-431-144-01-0A		
				H02038SO	8	0,773	1,2	1,073	USFW-CB 214334	J01	MWDM-25S	2547-151-431-171-01-0A		
				H02038SO	6	2,199	2,5	2,499	USFW-CB 214332	J01	MWDM-25S	2547-151-431-171-01-0A		
				H02038SO	8	2,065	2,38	2,365	USVWK-CB 214332	J04	MWDM-25S	2547-151-431-171-01-0A		
Harness Bundle CCH-DCA11														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
TS-CB 214464	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	1,866	2,26	2,166	21T464	P01	MRN4194-15P	N/A	11,5	
Harness Bundle CCH-DCA12														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
TS-CB 214424	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	1,656	2,02	1,956	21T424	P01	MRN4194-15P	N/A	12	
Harness Bundle CCH-DCA13														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
USFW-CB 214333	P01	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,734	2,003	2,034	21T244	P01	MRN4194-15P	N/A	14,5	
				H02038SO	2	0,504	0,601	0,804	21T246	P01	MRN4194-15P	N/A		
				H02038SO	2	1,092	1,3	1,392	21T258	P01	MRN4194-15P	N/A		
Harness Bundle CCH-DCA17														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
OBS-CB 214411	P02	MWDM-9P	BS-SS-17A-01	H02038SO	2	1,065	1,32	1,365	21T212	P01	MRN4194-15P	N/A	7	
Harness Bundle CCH-DCA14														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
USFW-CB 214334	P01	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,672	2	1,972	21T234	P01	MRN4194-15P	N/A	18	
				H02038SO	2	1,477	1,77	1,777	21T236	P01	MRN4194-15P	N/A		
				H02038SO	2	0,729	0,9	1,029	21T250	P01	MRN4194-15P	N/A		
				H02038SO	2	1,114	1,34	1,414	21T254	P01	MRN4194-15P	N/A		
Harness Bundle CCH-DCA16														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
USFW -CB 214332	P01	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,231	1,45	1,531	21T202	P01	MRN4194-15P	N/A	15	
				H02038SO	2	1,324	1,52	1,624	21T232	P01	MRN4194-15P	N/A		
				H02038SO	2	1,024	1,73	1,324	21T242	P01	MRN4194-15P	N/A		
Harness Bundle CCH-DCA18														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
USFW-CB 214332	P04	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,474	1,75	1,774	21T221	P01	MRN4194-15P	N/A	20	
				H02038SO	2	1,932	2,229	2,232	21T223	P01	MRN4194-15P	N/A		
				H02038SO	2	2,366	2,75	2,666	21T227	P01	MRN4194-15P	N/A		
				H02038SO	2	1,442	1,69	1,742	21T228	P01	MRN4194-15P	N/A		
Harness Bundle CCH-CCB10														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV-4F-CB 211121	J36	197-011P22-35P	100/172_173-01_A	H02038SO	2	0,333	0,66	0,633	TS-CB 214444	P01	MWDM-9P	BS-SS-143-01	207,2	
				H02038SO	4	1,342	1,68	1,642	USFW-CB 214333	J02	MWDM-25S	BS-SS-171-01		
				H02038SO	2	1,51	1,81	1,81	OBS-CB 214411	J03	MWDM-9S	BS-SS-144-01		
				H02038SO	10	0,901	1,27	1,201	USFW-CB 214334	J02	MWDM-25S	BS-SS-171-01		
				H02038SO	8	1,299	1,65	1,599	USFW-CB 214333	J03	MWDM-25S	BS-SS-171-01		
				H02038SO	4	2,216	2,62	2,516	USFW-CB 214332	J02	MWDM-25S	BS-SS-171-01		
				H02038SO	2	2,3	2,42	2,6	21T862	P01	MRN4194-15P	N/A		
Harness Bundle CCH-DCB11														
Designation					Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
TS-CB 214444	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	1,802	2,2	2,102	21T444	P01	MRN4194-15P	N/A	11	

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)																		
Harness Bundle CCH-DCB12																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
USFW-CB 214333	P02	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,686	1,97	1,986	21T237	P01	MRN4194-15P	N/A	12					
				H02038SO	2	1,004	1,2	1,304	21T252	P01	MRN4194-15P	N/A						
Harness Bundle CCH-DCB16																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
OBS-CB 214411	P03	MWDM-9P	BS-SS-17A-01	H02038SO	2	1,324	1,57	1,624	21T213	P01	MRN4194-15P	N/A	8					
Harness Bundle CCH-DCB13																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
USFW-CB 214334	P02	MWDM-25P	BS-SS-17D-01	H02038SO	2	0,812	0,97	1,112	21T256	P01	MRN4194-15P	N/A	22					
				H02038SO	2	1,555	1,85	1,855	21T235	P01	MRN4194-15P	N/A						
				H02038SO	2	1,539	1,84	1,839	21T248	P01	MRN4194-15P	N/A						
				H02038SO	2	0,79	0,96	1,09	21T247	P01	MRN4194-15P	N/A						
				H02038SO	2	2,467	2,9	2,767	21T233	P01	MRN4194-15P	N/A						
Harness Bundle CCHDCB17																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
USFW-CB 214333	P03	MWDM-25P	BS-SS-17D-01	H02038SO	2	2,409	2,8	2,709	21T222	P01	MRN4194-15P	N/A	19,5					
				H02038SO	2	2,062	2,401	2,362	21T224	P01	MRN4194-15P	N/A						
				H02038SO	2	1,324	1,56	1,624	21T225	P01	MRN4194-15P	N/A						
				H02038SO	2	1,163	1,37	1,463	21T226	P01	MRN4194-15P	N/A						
Harness Bundle CCH-DCB15																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
USFW-CB 214332	P02	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,744	2,005	2,044	21T231	P01	MRN4194-15P	N/A	12					
				H02038SO	2	0,775	0,92	1,075	21T208	P01	MRN4194-15P	N/A						
Harness Bundle CCH-CCE10																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
CVV-I/F-CB 211121	J37	197-011P22-35P	100/172 173-01 A	H02038SO	2	0,423	0,68	0,723	TS-CB 214463	P01	MWDM-9P	BS-SS-143-01	218,9					
				H02038SO	2	0,463	0,71	0,763	TS-CB 214443	P01	MWDM-9P	BS-SS-143-01						
				H02038SO	2	0,528	0,76	0,828	TS-CB 214423	P01	MWDM-9P	BS-SS-143-01						
				H02038SO	2	1,601	1,87	1,901	OSB-CB 214411	J01	MWDM-9S	BS-SS-144-01						
				H02038SO	8	1,076	1,36	1,376	USFW-CB 214334	J03	MWDM-25S	BS-SS-171-01						
				H02038SO	10	2,255	2,52	2,555	USFW-CB 214332	J03	MWDM-25S	BS-SS-171-01						
				H02038BO	1	2,255	2,52	2,555	USFW-CB 214332	J03								
				H02038BO	1	2,255	2,52	2,555	USFW-CB 214332	J03								
				H02038SO	2	2,35	2,68	2,65	21T861	P01	MRN4194-15P	N/A						
				H02038SO	2	0,478	1,05	0,778	21T851	P01	MRN4194-15P	N/A						
				H02038SO	2	0,445	1,02	0,745	21T852	P01	MRN4194-15P	N/A						
				H02038SO	2	0,394	1	0,694	21T853	P01	MRN4194-15P	N/A						
				Harness Bundle CCH-DCE11														
				Designation				Cable Bundle						Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
TS-CB 214463	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	1,068	1,31	1,368	21T463	P01	MRN4194-15P	N/A	10,5					
Harness Bundle CCH-DCE12																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
TS-CB 214443	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,97	1,22	1,27	21T443	P01	MRN4194-15P	N/A	10					
Harness Bundle CCH-DCE13																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
TS-CB 214423	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,844	1,08	1,144	21T423	P01	MRN4194-15P	N/A	10,5					
Harness Bundle CCH-DCE17																		
Designation				Cable Bundle					Designation				Bundle					
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)					
OBS-CB 214411	P01	MWDM-9P	BS-SS-17A-01	H02038SO	2	2,099	2,52	2,399	21T211	P01	MRN4194-15P	N/A	8					

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)													
Harness Bundle CCH-DCE15													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
USFW-CB 214334	P03	MWDM-25P	BS-SS-17D-01	H02038SO	2	1,38	1,602	1,68	21T253	P01	MRN4194-15P	N/A	18
				H02038SO	2	0,971	1,115	1,271	21T249	P01	MRN4194-15P	N/A	
				H02038SO	2	1,249	1,47	1,549	21T255	P01	MRN4194-15P	N/A	
				H02038SO	2	1,923	2,006	2,223	21T251	P01	MRN4194-15P	N/A	
Harness Bundle CCH-DCE16													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
USFW-CB 214332	P03	MWDM-25P	BS-SS-17D-01	H02038SO	2	0,78	0,93	1,08	21T207	P01	MRN4194-15P	N/A	8,5
Harness Bundle CCH-CCE20													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB 211121	J38	197-011P22-35P	100/172_173-01_A	H02138SS	3	1,439	1,39	1,739	USFW-CB 214333	J04	MWDM-25S	BS-SS-171-01	176
				H02138SS	5	1,209	1,17	1,509	USFW-CB 214334	J04	MWDM-25S	BS-SS-171-01	
				H02138SS	2	0,687	0,622	0,987	TS-CB 214425	P01	MWDM-9P	BS-SS-17A-01	
Harness Bundle CCH-DCE22													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
USFW-CB 214333	P04	MWDM-25P	BS-SS-17D-01	H02138SS	1	1,053	1,21	1,353	21A204	P01	EP-159	N/A	
				H02138SS	1	0,994	1,143	1,294	21A205	P01	EP-159	N/A	
				H02138SS	1	0,716	0,823	1,016	21A206	P01	EP-159	N/A	
Harness Bundle CCH-DCE23													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
USFW-CB 214334	P04	MWDM-25P	BS-SS-17D-01	H02138SS	1	0,536	0,616	0,836	21A201	P01	EP-159	N/A	25
				H02138SS	1	0,437	0,482	0,737	21A202	P01	EP-159	N/A	
				H02138SS	1	0,297	0,341	0,597	21A203	P01	EP-159	N/A	
				H02138SS	1	2,138	2,438	2,438	21A207	P01	EP-159	N/A	
				H02138SS	1	2,21	2,51	2,51	21A208	P01	EP-159	N/A	
Harness Bundle CCH-DCE21													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214425	J01	MWDM-9S	BS-SS-144-01	H02138SS	1	1,086	1,2	1,386	21A421	P01	EP-159	N/A	15
				H02138SS	1	1,101	1,21	1,401	21A422	P01	EP-159	N/A	
Harness Bundle CCH-CCA-11													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB 211123	J09	197-011P22-35P	100/172_173-01_A	H02038SO	2	0,312	0,68	0,612	TS-CB 214442	P01	MWDM-9P	BS-SS-143-01	184,7
				H02038SO	2	0,323	0,71	0,623	TS-CB 214421	P01	MWDM-9P	BS-SS-143-01	
				H02038SO	2	0,234	0,5	0,534	TS-CB 214461	P01	MWDM-9P	BS-SS-143-01	
				H02038SO	4	1,054	1,31	1,354	LSFW-CB 214341	P03	MWDM-25P	BS-SS-17D-01	
				H02038BO	1	1,054	1,31	1,354	LSFW-CB 214341	P03			
				H02038SO	4	1,092	1,38	1,392	LSFW-CB 214341	P04	MWDM-25P	BS-SS-17D-01	
				H02038SO	2	1,664	2,1	1,964	21P701	P01	PTS06-10-6S(SR)	(SR) = Stain Relief-Clamp	
Harness Bundle CCH-DCA21													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214442	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,682	0,88	0,982	21T442	P01	MRN4194-15P	N/A	10
Harness Bundle CCH-DCA22													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214421	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,645	0,83	0,945	21T421	P01	MRN4194-15P	N/A	11
Harness Bundle CCH-DCA23													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214461	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,835	1,09	1,135	21T461	P01	MRN4194-15P	N/A	11
Harness Bundle CCH-DCM21													

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214341	J03	MWDM-25S	BS-SS-171-01	H02038SO	2	2,241	2,57	2,541	21D101(DLCM1*) (T105)	P01	MWDM-15P	BS-SS-17B-01	36
				H02038BO	1	2,241	2,57	2,541	21D101(HS101)	P01			
				H02038SO	2	3,246	3,64	3,546	21PPS1(T111)	P01	MWDM-9P	BS-SS-17A-01	
LSFW-CB 214341	J05	MWDM-25S	BS-SS-171-01	H02038SO	2	2,142	2,57	2,442	21D101(DLCM1*) (T101)	P01	MWDM-15P	BS-SS-17B-01	
				H02038SO	2	3,155	3,155	3,455	21PPS1(T112)	P01	MWDM-9P	N/A	
Harness Bundle CCH-DCM22													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214341	J04	MWDM-25S	BS-SS-171-01	H02038SO	2	0,825	0,998	1,125	21D102(D21LCM2*) (21T102)	P01	MWDM-15P	BS-SS-17B-01	28,2
				H02038SO	2	1,026	1,229	1,326	21T106	P01	MRN4194-15P	N/A	
LSFW-CB 214341	J06	MWDM-25S	BS-SS-171-01	H02038SO	2	0,748	0,91	1,048	21D102(D21LCM2*) (21T104)	P01	MWDM-15P	BS-SS-17B-01	
				H02038BO	1	0,748	0,91	1,048					
				H02038SO	2	2,335	2,735	2,635	21T107	P01	MRN4194-15P	N/A	
Harness Bundle CCH-CCB-11													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-IF-CB 211123	J10	197-011P22-35P	100/172_173-01_A	H02038SO	2	0,454	0,71	0,754	TS-CB 214422	P01	MWDM-9P	BS-SS-143-01	186,6
				H02038SO	2	0,3	0,51	0,6	TS-CB 214462	P01	MWDM-9P	BS-SS-143-01	
				H02038SO	2	0,314	0,82	0,614	TS-CB 214441	P01	MWDM-9P	BS-SS-143-01	
				H02038SO	4	1,203	1,48	1,503	LSFW-CB 214341	P05	MWDM-25P	BS-SS-17D-01	
				H02038SO	4	1,245	1,51	1,545	LSFW-CB 214341	P06	MWDM-25P	BS-SS-17D-01	
				H02038BO	1	1,245	1,51	1,545	LSFW-CB 214341	P06			
H02038SO	4	1,301	1,57	1,601	LSFW-CB 214341	P07	MWDM-25P	BS-SS-17D-01					
Harness Bundle CCH-DCB21													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214422	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,727	0,92	1,027	21T422	P01	MRN4194-15P	N/A	11
Harness Bundle CCH-DCB22													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214462	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,651	0,8	0,951	21T462	P01	MRN4194-15P	N/A	11
Harness Bundle CCH-DCB23													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TS-CB 214441	J01	MWDM-9S	BS-SS-144-01	H02038SO	2	0,755	0,95	1,055	21T441	P01	MRN4194-15P	N/A	10
Harness Bundle CCH-DCB24													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214341	J07	MWDM-25S	BS-SS-171-01	H02038SO	2	0,881	1,07	1,181	21T701	P01	MRN4194-15P	N/A	12,5
				H02038SO	2	1,041	1,26	1,341	21T703	P01	MRN4194-15P	N/A	
Harness Bundle CCH-CCA-12													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-IF-CB 211123	J07	197-011P22-35P	100/172_173-01_A	H02038SO	1	2,117	2,36	2,417	LSFW-CB 214343	P02	MWDM-25P	BS-SS-17D-01	161,7
				H02038BO	2	2,117	2,36	2,417	LSFW-CB 214343	P02			
				H02038BO	2	1,941	2,2	2,241	LSFW-CB 214343	P06	MWDM-25P	BS-SS-17D-01	
Harness Bundle CCH-DCA24													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214343	J06	MWDM-25S	BS-SS-171-01	H02038BO	2	0,846	0,92	1,146	21D101(DLCM1*)(H1 01)	P02	MWDM-9P	BS-SS-17A-01	14,5
Harness Bundle CCH-DCM23													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214343	J02	MWDM-25S	BS-SS-171-01	H02038SO	1	2,529	2,86	2,829	21V103(VS1039)	P01	MWDM-15P	BS-SS-17B-01	36

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)													
				H02030BO	2	2,529	2,86	2,829	21V103(V103)	P01			
LSFW-CB 214343	J03	MWDM-25S	BS-SS-171-01	H02038BO	2	2,493	2,84	2,793	21V103(VH103)	P01	see V103		
				H02038SO	2	2,493	2,84	2,793	21V103(VT103)	P01	see V104		
Harness Bundle CCH-CCB-12													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-IF-CB	J08	197-011P22-35P	100/172_173-01 A	H02030BO	2	1,971	2,27	2,271	LSFW-CB 214343	P04	MWDM-25P	BS-SS-17D-01	159,7
				H02038SO	1	1,971	2,27	2,271	LSFW-CB 214343	P04			
211123				H02030BO	2	0,99	1,51	1,29	LSFW-CB 214344	P07	MWDM-25P	BS-SS-17D-01	
Harness Bundle CCH-DCM24													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214343	J04	MWDM-25S	BS-SS-171-01	H02030BO	2	2,057	2,415	2,357	21V106(V106)	P01	MWDM-15P	BS-SS-17B-01	31,5
				H02038SO	1	2,057	2,415	2,357	21V106(VS106)	P01			
LSFW-CB 214343	J05	MWDM-25S	BS-SS-171-01	H02038BO	2	2,006	2,356	2,306	21V106(VH106)	P01	see V106		
				H02038SO	2	2,006	2,356	2,306	21V106(VT106)	P01			
Harness Bundle CCH-DCB25													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214344	J07	MWDM-25S	BS-SS-171-01	H02030BO	2	1,49	1,65	1,79	21D102(DLCM2*) (H102)	P02	MWDM-9P	BS-SS-17A-01	16,1
Harness Bundle CCH-CCE-11													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-IF-CB	J01	197-011P22-35P	100/172_173-01 A	H02038SO	2	2,099	2,62	2,399	21T803	P01	MRN4194-15P	N/A	185,5
211123				H02038SO	2	2,072	2,62	2,372	21T802	P01	MRN4194-15P	N/A	
				H02038SO	2	2,103	2,63	2,403	21T801	P01	MRN4194-15P	N/A	
				H02038SO	2	2,184	2,65	2,484	21T806	P01	MRN4194-15P	N/A	
				H02038SO	2	2,113	2,68	2,413	21T805	P01	MRN4194-15P	N/A	
				H02038SO	2	2,08	2,68	2,38	21T804	P01	MRN4194-15P	N/A	
				H02038SO	8	1,129	1,44	1,429	LSFW-CB 214342	P02	MWDM-25P	BS-SS-17D-01	
				H02038SO	4	1,264	1,56	1,564	LSFW-CB 214342	P05	MWDM-25P	BS-SS-17D-01	
Harness Bundle CCH-DCE32													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214342	J02	MWDM-25S	BS-SS-171-01	H02038SO	2	2,839	4,22	3,139	21T113	P01	MRN4194-15P	N/A	36
				H02038SO	2	2,61	2,915	2,91	21P101	P01	PTS06-10-6S(SR)	(SR) = Stain Relief-Clamp	
				H02038SO	2	2,897	3,51	3,197	21T114	P01	MRN4194-15P	N/A	
				H02038SO	2	0,762	0,98	1,062	21T103	P01	MRN4194-15P	N/A	
Harness Bundle CCH-DCE24													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214342	J05	MWDM-25S	BS-SS-171-01	H02038SO	2	0,794	0,98	1,084	21T702	P01	MRN4194-15P	N/A	12,5
				H02038SO	2	0,869	1,08	1,169	21T704	P01	MRN4194-15P	N/A	
Harness Bundle CCH-CCE-12													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-IF-CB	J02	197-011P22-35P	100/172_173-01 A	H02138SS	5	1,116	1,05	1,416	LSFW-CB 214342	P03	MWDM-25P	BS-SS-17D-01	186
211123				H02138SS	4	1,183	0,943	1,483	LSFW-CB 214342	P04	MWDM-25P	BS-SS-17D-01	
				H02138SS	3	1,265	1,045	1,565	LSFW-CB 214342	P06	MWDM-25P	BS-SS-17D-01	
Harness Bundle CCH-DCE33													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214342	J03	MWDM-25S	BS-SS-171-01	H02138SS	1	2,864	3,3	3,164	21A107	P01	EP-159	N/A	36
				H02138SS	1	1,367	1,6	1,667	21A109	P01	EP-159	N/A	
				H02138SS	1	2,195	2,525	2,495	21A101	P01	EP-159	N/A	
				H02138SS	1	2,191	2,535	2,491	21A102	P01	EP-159	N/A	
				H02138SS	1	2,239	2,605	2,539	21A103	P01	EP-159	N/A	
Harness Bundle CCH-DCE34													

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
LSFW-CB 214342	J04	MWDM-25S	BS-SS-171-01	H02138SS	1	1,762	2,055	2,062	21A104	P01	EP-159	N/A	25	
				H02138SS	1	1,76	2,055	2,06	21A105	P01	EP-159	N/A		
				H02138SS	1	1,825	2,235	2,125	21A106	P01	EP-159	N/A		
				H02138SS	1	0,674	0,83	0,974	21A108	P01	EP-159	N/A		
Harness Bundle CCH-DCE25														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
LSFW-CB 214342	J06	MWDM-25S	BS-SS-171-01	H02138SS	1	0,472	0,56	0,772	21A701	P01	EP-159	N/A	14,5	
				H02138SS	1	0,473	0,54	0,773	21A702	P01	EP-159	N/A		
				H02138SS	1	0,431	0,52	0,731	21A703	P01	EP-159	N/A		
Harness Bundle CCH-CCS-11 (Spare Connector)														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV-4/F-CB 211123	J03	197-011P22-35P	100/172_173-01_A	H02038BO	10	1,5	1,85	1,8	LSFW-CB 214342	P01	MWDM-25P	BS-SS-17D-01	153,8	
		SPARE		H02038BO	1	1,5	1,85	1,8	LSFW-CB 214342	P01				
				H02038BO	1	1,5	1,85	1,8	LSFW-CB 214342	P01				
Harness Bundle CCH-CCE-13														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV-4/F-CB 211123	J05	197-011P22-35P	100/172_173-01_A	H02038BO	2	1,941	2,35	2,241	21V105(V105)	P01	MWDM-15P	BS-SS-17B-01	214,1	
				H02038BO	2	1,941	2,35	2,241	21V105(VH105)	P01				
				H02038SO	1	1,941	2,35	2,241	21V105(VS105)	P01				
				H02038SO	2	1,941	2,35	2,241	21V105(VT105)	P01				
				H02038BO	2	1,519	1,75	1,819	21V701(V701)	P01	MWDM-15P	BS-SS-17B-01		
				H02038BO	2	1,519	1,75	1,819	21V701(VH701)	P01				
				H02038SO	1	1,519	1,75	1,819	21V701(VS701)	P01				
				H02038SO	2	1,519	1,75	1,819	21V701(VT701)	P01				
				H02038BO	2	1,203	1,37	1,503	LSFW-CB 214343	P03	MWDM-25P	BS-SS-17D-01		
				H02038SO	2	1,203	1,37	1,503	LSFW-CB 214343	P03				
				H02038BO	2	1,014	1,27	1,314	LSFW-CB 214343	P07	MWDM-25P	BS-SS-17D-01		
				H02038SO	1	1,014	1,27	1,314	LSFW-CB 214343	P07				
				H02038BO	2	1,184	1,36	1,484	LSFW-CB 214344	P05	MWDM-25P	BS-SS-17D-01		
				H02038BO	3	1,184	1,36	1,484	LSFW-CB 214344	P05				
				H02038SO	4	1,184	1,36	1,484	LSFW-CB 214344	P05				
				H02038BO	3	1,091	1,36	1,391	LSFW-CB 214344	P03	MWDM-25P	BS-SS-17D-01		
				H02038SO	2	1,091	1,36	1,391	LSFW-CB 214344	P03				
Harness Bundle CCH-DCE27														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
LSFW-CB 214343	J07	MWDM-25S	BS-SS-171-01	H02038BO	2	0,78	0,9	1,08	21H103(H103)	P01	MWDM-9P	BS-SS-17A-01	12	
				H02038SO	1	0,78	0,9	1,08	21H103(HS103)	P01				
Harness Bundle CCH-DCE30														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
LSFW-CB 214344	J05	MWDM-25S	BS-SS-171-01	H02038BO	2	2,129	2,43	2,429	21V102(V102)	P01	MWDM-15P	BS-SS-17B-01	31	
				H02038BO	2	2,129	2,43	2,429	21V102(VH102)	P01				
				H02038SO	1	2,129	2,43	2,429	21V102(VS102)	P01				
				H02038SO	2	2,129	2,43	2,429	21V102(VT102)	P01				
				H02038BO	1	2,241	2,53	2,541	21L102	P01	MWDM-9P	BS-SS-17A-01		
				H02038SO	1	2,241	2,53	2,541	21L102	P01				
Harness Bundle CCH-DCE28														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
LSFW-CB 214344	J03	MWDM-25S	BS-SS-171-01	H02038BO	2	0,777	0,93	1,077	HO21T-CB 212510	P01	MWDM-15P	BS-SS-17B-01	18,5	
				H02038SO	1	0,777	0,93	1,077	HO21T-CB 212510	P01				
				H02038BO	1	0,713	0,84	1,013	21L701	P01	MWDM-9P	BS-SS-17A-01		
				H02038SO	1	0,713	0,84	1,013	21L701	P01				
Harness Bundle CCH-CCE-14														
Designation				Cable Bundle					Designation				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV-4/F-CB 211123	J06	197-011P22-35P	100/172_173-01_A	H02038BO	2	1,17	1,51	1,47	21V702(V702)	P01	MWDM-15	BS-SS-17B-01	195,8	
				H02038BO	2	1,17	1,51	1,47	21V702(VH702)	P01				
				H02038SO	1	1,17	1,51	1,47	21V702(VS702)	P01				
				H02038SO	2	1,17	1,51	1,47	V702(VT702)	P01				

CCH CVV internal (CB upper and lower ring to upper & lower SFW and to end items)													
				H02038BO	2	1,206	1,43	1,506	LSFW-CB 214343	P05	MWDM-25P	BS-SS-17D-01	
				H02038SO	2	1,206	1,43	1,506	LSFW-CB 214343	P05			
				H02030BO	2	1,377	1,62	1,677	LSFW-CB 214343	P01	MWDM-25P	BS-SS-17D-01	
				H02038BO	2	1,377	1,62	1,677	LSFW-CB 214343	P01			
				H02038SO	3	1,377	1,62	1,677	LSFW-CB 214343	P01			
				H02038BO	3	1,326	1,55	1,626	LSFW-CB 214344	P06	MWDM-25P	BS-SS-17D-01	
				H02038SO	2	1,326	1,55	1,626	LSFW-CB 214344	P06			
				H02038BO	3	1,227	1,45	1,527	LSFW-CB 214344	P04	MWDM-25P	BS-SS-17D-01	
				H02038SO	2	1,227	1,45	1,527	LSFW-CB 214344	P04			
Harness Bundle CCH-DCE26													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214343	J01	MWDM-25S	BS-SS-17D-01	H02030BO	2	2,972	3,42	3,272	21V104(V104)	P01	MWDM-15P	BS-SS-17B-01	30
				H02038BO	2	2,972	3,42	3,272	21V104(VH104)	P01			
				H02038SO	1	2,972	3,42	3,272	21V104(VS104)	P01			
				H02038SO	2	2,972	3,42	3,272	21V104(VT104)	P01			
Harness Bundle CCH-DCE31													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214344	J06	MWDM-25S	BS-SS-171-01	H02038BO	2	1,562	2,01	1,862	21H104(H104)	P01	MWDM-9P	BS-SS-17A-01	21,2
				H02038SO	1	1,562	2,01	1,862	21H104(HS104)	P01			
				H02038BO	1	2,626	3,07	2,926	21L101	P01	MWDM-9P	BS-SS-17A-01	
				H02038SO	1	2,626	3,07	2,926	21L101	P01			
Harness Bundle CCH-DCE29													
Designation				Cable Bundle					Designation				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
LSFW-CB 214344	J04	MWDM-25S	BS-SS-171-01	H02038BO	2	0,809	1,32	1,109	HO21T-CB 212510	P02	MWDM-15P	BS-SS-17B-01	20,5
				H02038SO	1	0,809	1,32	1,109	HO21T-CB 212510	P02			
				H02038BO	1	1,418	2,025	1,718	21L702	P01	MWDM-9P	BS-SS-17A-01	
				H02038SO	1	1,418	2,025	1,718	21L702	P01			

CCH CVV I/F CB ext. (upper and lower ring) to SVM-CB's (J-side)													
Harness Bundle CCH-ICA-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P35	197-012-22-35S	G 9254 F 22M	H02038SO	34	2,204	2,37	2,504	SVM-CB 321200	J01	3401 044 01B	440FS110-	230
211121			687-524 M22-02								03 22-35P	M22 32	
Harness Bundle CCH-ICB-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P36	197-012-22-35S	G 9254 F 22M	H02038SO	32	2,065	2,24	2,365	SVM-CB 321300	J01	3401 044 01B	440FS110-	272
211121			687-524 M22-02								03 22-35P	M22 32	
Harness Bundle CCH-ICE-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P37	197-012-22-35S	G 9254 F 22M	H02038SO	26	1,76	1,95	2,06	SVM-CB 315100	J01	3401 044 01B	440FS110-	270
211121	P37		687-524 M22-02	H02038SO*	8	1,76		2,06	SVM-CB 315100	J01	03 22-35P	M22 32	
	P37			H02038BO*	1	1,76		2,06	SVM-CB 315100	J01			
	P37			H02030BO*	1	1,76		2,06	SVM-CB 315100	J01			
Harness Bundle CCH-ICE-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P01	197-012-22-35S	G 9254 F 22M	H02038SO	24	1,506	1,66	1,806	SVM-CB 315100	J03	3401 044 01B	440FS110-	246
211123			687-524 M22-02								03 22-35P	M22 32	
Harness Bundle CCH-ICE-13													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P05	197-012-22-35S	G 9254 F 22M	H02038SO	10	1,255	1,44	1,555	SVM-CB 321100	J05	3401 044 01B	440FS110-	410
211123	P05		687-524 M22-02	H02030BO	2	1,255	1,44	1,555	SVM-CB 321100	J05	03 22-35P	M22 32	
	P05			H02038BO	15	1,255	1,44	1,555	SVM-CB 321100	J05			
	P05			H02038SO	1	1,328	1,49	1,628	SVM-CB 321100	J01			
	P05			H02030BO	4	1,328	1,49	1,628	SVM-CB 321100	J01	3401 044 01B	440FS110-	
	P05			H02038BO	3	1,328	1,49	1,628	SVM-CB 321100	J01	03 22-35P	M22 32	
SVM-CB 321100	J01			T02CO-28	7	0,685	0,85	0,985	SVM Cone UMB I/F-CB 321400	P01	DAMA 15P	CA 01-15	
Harness Bundle CCH-ICE-14													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P06	197-012-22-35S	G 9254 F 22M	H02038SO	11	1,423	1,61	1,723	SVM-CB 321100	J06	3401 044 01B	440FS110-	382
211123	P06		687-524 M22-02	H02030BO	2	1,423	1,61	1,723	SVM-CB 321100	J06	03 22-35P	M22 32	
	P06			H02038BO	9	1,423	1,61	1,723	SVM-CB 321100	J06			
	P06			H02038SO	1	1,483	1,67	1,783	SVM-CB 321100	J02	3401 044 01B	440FS110-	
	P06			H02030BO	2	1,483	1,67	1,783	SVM-CB 321100	J02	03 22-35P	M22 32	
	P06			H02038BO	3	1,483	1,67	1,783	SVM-CB 321100	J02			
SVM-CB 321100	J02			T02CO-28	5	0,692	1,00	0,992	SVM Cone UMB I/F-CB 321400	P02	DAMA 15P	DW 214-15-2-6-0000	
Harness Bundle CCH-ICA-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P07	197-012-22-35S	G 9254 F 22M	H02030BO	4	1,55	1,75	1,85	SVM-CB 321200	J05	3401 044 01B	440FS110-	216
211123	P07		687-524 M22-02	H02038SO	1	1,55	1,75	1,85	SVM-CB 321200	J05	03 22-35P	M22 32	
Harness Bundle CCH-ICB-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P08	197-012-22-35S	G 9254 F 22M	H02030BO	4	1,502	1,69	1,802	SVM-CB 321300	J05	3401 044 01B	440FS110-	216
211123	P08		687-524 M22-02	H02038SO	1	1,502	1,69	1,802	SVM-CB 321300	J05	03 22-35P	M22 32	
Harness Bundle CCH-ICA-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB	P09	197-012-22-35S	G 9254 F 22M	H02038SO	16	1,444	1,64	1,744	SVM-CB 321200	J02	3401 044 01B	440FS110-	320
211123	P09		687-524 M22-02	H02038BO	1	1,444	1,64	1,744	SVM-CB 321200	J02	03 22-35P	M22 32	

CCH CVV I/F CB ext. (upper and lower ring) to SVM-CB's (J-side)													
Harness Bundle CCH-ICB-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV-I/F-CB 211123	P10	197-012-22-35S	G 9254 F 22M	H02038SO	18	1,299		1,599	SVM-CB 321300	J02	3401 044 01B	440FS110-	
	P10		687-524 M22-02	H02038BO	1	1,299		1,599	SVM-CB 321300	J02	03 22-35P	M22 32	
Harness Bundle CCH-ICE-31													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Ventline Unit CB 212420	P04	DEMA 9S	DW 214-09-1-6-0000	H02030BO	4	0,943	1,28	1,243	SVM-CB 321100	J03	3401 044 01B	440FS110	
			XE-01						SVM-CB 321100	J03	03 12-35P	M12-02-G3	
Harness Bundle CCH-ICE-36													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Ventline Unit CB 212420	J04	DEMA 9S	DW 214-09-1-6-0000	H02030BO	2	0,943		1,243	21H502	P01	MWDM-9P	BS-SS-17A-01	
				H02030BO	2	0,943		1,243	21H503	P01	MWDM-9P	BS-SS-17A-01	
Harness Bundle CCH-ICE-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21P501	P01	PTS06-10-06S(SR)	(SR) = Stain Relief-Clamp	H02038SO	2	1,806	2,17	2,106	SVM-CB 321100	J04	3401 044 01B	380FS007	74
											03 12-35PA	M12-02-G3	
Harness Bundle CCH-ICE-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Ventline Unit-CB 214420 (H501)	P01	3401 044 01B 06G12F98SA	380FS007 M12-02-G3	T02CO-20	4	0,958	1,048+	1,258	HSH501	J01	Harness Splice # 16	N/A	
HSH501	P01	Harness Splice # 16	N/A	T01CO-22	12		0,21	1,258	SVM-CB 321100	J07	3401 044 01B03 12-35SN	380FS007M12-02-G3	
SVM-CB 321100	J07	3401 044 01B03 12-35SN	380FS007M12-02-G3	T01CO-22	8	0,515	0,25+	0,815	HSH501	J01	Harness Splice # 20	N/A	
HSH501	J01	Harness Splice # 20	N/A	T02CO-20	4		0,57	0,815	SVM Cone UMB I/F-CB 321400	P03	DEMA 9P	DW 214-09-1-6-0000	
Harness Bundle CCH-ICE-34													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Ventline Unit-CB 214420 (T502)	P02	DEMA 9S	DW-214-09-1-4-0011	H02038SO	2	0,908	1,23	1,208	SVM-CB 321100	J08	3401 044 01B 0312F35PB	380FS007 M12-02-G3	98
SVM-CB 321100	J08			T02CO-28	2	0,484	0,79	0,784	SVM Cone UMB I/F-CB 321400	P04	DEMA 9P	CA 04-09	
Harness Bundle CCH-ICA-31													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21V501(V501)	P01	MWDM-15P	BS-SS-17D-01	H02030BO	2	1,843	2,195	2,143	SVM-CB 316100	J01	3401 044 01B	380FS007	98
21V501(VS501)	P01			H02038SO	1	1,843	2,195	2,143	SVM-CB 316100	J01	03 12-35PA	M12-02-G3	
21V504(V504)	P01	MWDM-15P	BS-SS-17D-01	H02030BO	2	1,682	2,00	1,982	SVM-CB 316100	J01			
21504(VS504)	P01			H02038SO	1	1,682	2,00	1,982	SVM-CB 316100	J01			
Harness Bundle CCH-ICB-31													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21V503(V503)	P01	MWDM-15P	BS-SS-17D-01	H02030BO	2	1,994	2,27	2,294	SVM-CB 316100	J02	3401 044 01B	380FS007	96
21V503(VS503)	P01			H02038SO	1	1,994	2,27	2,294	SVM-CB 316100	J02	03 12-35PB	M12-02-G3	
21V505(V505)	P01	MWDM-15P	BS-SS-17D-01	H02030BO	2	1,672	2,00	1,972	SVM-CB 316100	J02			
21V505(VS505)	P01			H02038SO	1	1,672	2,00	1,972	SVM-CB 316100	J02			
Harness Bundle CCH-ICA-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T501	P01	MRN4194-15P	N/A	H02038SO	2	2,409	2,8	2,709	SVM-CB 321200	J03	3401 044 01B	440FS110-	
21T505	P01	MRN4194-15P	N/A	H02038SO	2	2,219	2,6	2,519	SVM-CB 321200	J03	03 22-35P	M22 32	
21T903	P01	MRN4194-15P	N/A	H02038SO	2	1,559	1,95	1,859	SVM-CB 321200	J03			
21T911	P01	MRN4194-15P	N/A	H02038SO	2	5,018	5,445	5,318	SVM-CB 321200	J03			

CCH CVV I/F CB ext. (upper and lower ring) to SVM-CB's (J-side)													
21T907	P01	MRN4194-15P	N/A	H02038SO	2	3,642	4,06	3,942	SVM-CB 321200	J03			
21T901	P01	MRN4194-15P	N/A	H02038SO	2	5,641	6,06	5,941	SVM-CB 321200	J03			
21T651	P01	MRN4194-15P	N/A	H02038SO	2	5,357	5,77	5,657	SVM-CB 321200	J03			
SVM Sh CB 331100	P01	MWDM-9S	BS-SS-17A-01	H02038SO	4	0,8	1,115	1,1	SVM-CB 321200	J03			
Harness Bundle CCH-ICA-41													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T321	P01	MRN4194-15P	N/A	H02038SO	2	0,982	1,33	1,282	SVM Sh CB 331100	J01	MWDM-15P	BS-SS-144-01	74
21T323	P01	MRN4194-15P	N/A	H02038SO	2	1,944	2,305	2,244	SVM Sh CB 331100	J01		modifi. f. 15P	
Harness Bundle CCH-ICA-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T905	P01	MRN4194-15P	N/A	H02038SO	2	4,342	4,74	4,642	SVM-CB 321200	J04	3401 044 01B	440FS110-	480
21T931	P01	MRN4194-15P	N/A	H02038SO	2	6,797	7,22	7,097	SVM-CB 321200	J04	03 22-35P	M22 32	
21T933	P01	MRN4194-15P	N/A	H02038SO	2	7,292	7,7	7,592	SVM-CB 321200	J04			
21T935	P01	MRN4194-15P	N/A	H02038SO	2	3,122	3,495	3,422	SVM-CB 321200	J04			
21T909	P01	MRN4194-15P	N/A	H02038SO	2	5,177	5,61	5,477	SVM-CB 321200	J04			
Sunshade CB 231230	P01	DBMA 15S	DW 214-15-2-6-0000	H02038SO	6	6,219	6,3	6,519	SVM-CB 321200	J04			
Harness Bundle CCH-ICA-51													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T312	P01	MRN4194-15P	N/A	H02038SO	2	1,075		1,375	Sunshade CB 231230	J01	DBMA 15P	DW 214-15-2-6-0000	
21T314	P01	MRN4194-15P	N/A	H02038SO	2	3,667		3,967	Sunshade CB 231230	J01			
21T316	P01	MRN4194-15P	N/A	H02038SO	2	4,372		4,672	Sunshade CB 231230	J01			
Harness Bundle CCH-ICB-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Ventline Unit CB 212420(T507)	P03	DEMA 9S	DW-214-09-1-4-0011	H02038SO	2	2,724		3,024	SVM-CB 321300	J03	3401 044 01B	440FS110-	
21T504	P01	MRN4194-15P	N/A	H02038SO	2	2,63		2,93	SVM-CB 321300	J03	03 22-35P	M22 32	
21T506	P01	MRN4194-15P	N/A	H02038SO	2	2,654		2,954	SVM-CB 321300	J03			
21T912	P01	MRN4194-15P	N/A	H02038SO	2	2,615		2,915	SVM-CB 321300	J03			
21T902	P01	MRN4194-15P	N/A	H02038SO	2	4,529		4,829	SVM-CB 321300	J03			
21T908	P01	MRN4194-15P	N/A	H02038SO	2	2,004		2,304	SVM-CB 321300	J03			
21T652	P01	MRN4194-15P	N/A	H02038SO	2	4,935		5,235	SVM-CB 321300	J03			
21P502	P01	PTS06-10-06S(SR)	(SR) = Stain Relief-Clamp	H02038SO	2	2,599		2,899	SVM-CB 321300	J03			
SVM Sh CB 331300	P02	MWDM-9S	BS-SS-17A-01	H02038SO	4	0,831		1,131	SVM-CB 321300	J03			
Harness Bundle CCH-ICB-41													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T322	P01	MRN4194-15P	N/A	H02038SO	2	0,45	0,78	0,75	SVM Sh CB 331100	J02	MWDM-15P	BS-SS-144-01	68
21T324	P01	MRN4194-15P	N/A	H02038SO	2	2,711	3,00	3,011	SVM Sh CB 331100	J02		modifi. f. 15P	
Harness Bundle CCH-ICB-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T904	P01	MRN4194-15P	N/A	H02038SO	2	4,408	4,4	4,708	SVM-CB 321300	J04	3401 044 01B	440FS110-	662
21T906	P01	MRN4194-15P	N/A	H02038SO	2	2,94	3	3,24	SVM-CB 321300	J04	03 22-35P	M22 32	
21T934	P01	MRN4194-15P	N/A	H02038SO	2	4,598	4,6	4,898	SVM-CB 321300	J04			
21T932	P01	MRN4194-15P	N/A	H02038SO	2	6,726	6,8	7,026	SVM-CB 321300	J04			
21T910	P01	MRN4194-15P	N/A	H02038SO	2	5,943	6	6,243	SVM-CB 321300	J04			
Sunshade CB 231230	P02	DBMA 15S	DW 214-15-2-6-0000	H02038SO	6	5,982	6	6,282	SVM-CB 321300	J04			
Harness Bundle CCH-ICB-51													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
21T311	P01	MRN4194-15P	N/A	H02038SO	2	2,428	2,82	2,728	Sunshade CB 231230	J02	DBMA 15P	DW 214-15-2-6-0000	
21T313	P01	MRN4194-15P	N/A	H02038SO	2	5,023	5,44	5,323	Sunshade CB 231230	J02			
21T315	P01	MRN4194-15P	N/A	H02038SO	2	2,45	2,83	2,75	Sunshade CB 231230	J02			
Harness Bundle CCH-ICS-31													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TELESC. CB 141100	J01	3401 044 01B	380FS007M14-04-G3	T-02CC24	8	5,053	5,42	5,353	SVM-CB 314300	P01	3401 044 01B	380FS007	

CCH CVV I/F CB ext. (upper and lower ring) to SVM-CB's (J-side)													
H331	P01	03 14-18SN	BS-SS-17A-01	T-02CC24	1	ASEF				TELESC. CB 141100	P01	06G 14-35PA	M14-04-G3
H332	P01	MWDM-9P	not CASA	T-02CC24	1	ASEF				TELESC. CB 141100	P01	3401 044 01B	ASEF
H333	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01	06G14-18PN	
H334	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01		
H335	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01		
H336	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01		
H337	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01		
H338	P01			T-02CC24	1	ASEF				TELESC. CB 141100	P01		
Harness Bundle CCH-ICS-36													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TELESC. CB 141100	J02	3401 044 01B	380FS007M14-04-G3	T-02CC24	8	5,05	5,39	5,35	SVM-CB 314300	P02	3401 044 01B	380FS007	
		03 14-18SA									06G 14-35PB	M14-04-G3	
H331	P01	MWDM-9P	BS-SS-17A-01	T-02CC24	1	ASEF			TELESC. CB 141100	P02	3401 044 01B	ASEF	
H332	P01		not CASA	T-02CC24	1	ASEF			TELESC. CB 141100	P02	06G 14-18PA		
H333	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
H334	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
H335	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
H336	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
H337	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
H339	P01			T-02CC24	1	ASEF			TELESC. CB 141100	P02			
Harness Bundle CCH-ICA-34													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TELESC. CB 141100	J03	3401 044 01B	380FS007M14-04-G3	H02038SO	12	4,487	4,81	4,787	SVM-CB 315100	J05	3401 044 01B	380FS007	
		03 14-35SN									03 22-35PN	M14-04-G3	
T331	P01	MWDM-9P	BS-SS-17A-01	H02038SO	2	ASEF			TELESC. CB 141100	P03	3401 044 01B	ASEF	
T333			not CASA	H02038SO	2	ASEF			TELESC. CB 141100	P03	06G 14-35PN		
T335				H02038SO	2	ASEF			TELESC. CB 141100	P03			
T337				H02038SO	2	ASEF			TELESC. CB 141100	P03			
T339				H02038SO	2	ASEF			TELESC. CB 141100	P03			
T341				H02038SO	2	ASEF			TELESC. CB 141100	P03			
Harness Bundle CCH-ICB-34													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
TELESC. CB 141100	J04	3401 044 01B	380FS007M14-04-G3	H02038SO	12	4,488	4,884	4,788	SVM-CB 315100	J06	3401 044 01B	380FS007	
		03 14-35SA									03 22-35PN	M14-04-G3	
T332	P01	MWDM-9P	BS-SS-17A-01	H02038SO	2	ASEF			TELESC. CB 141100	P04	3401 044 01B	ASEF	
T334	P01			H02038SO	2	ASEF			TELESC. CB 141100	P04	06G 14-35PA		
T336	P01			H02038SO	2	ASEF			TELESC. CB 141100	P04			
T338	P01			H02038SO	2	ASEF			TELESC. CB 141100	P04			
T340	P01			H02038SO	2	ASEF			TELESC. CB 141100	P04			
T342	P01			H02038SO	2	ASEF			TELESC. CB 141100	P04			
Harness Bundle CCH-ICS-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
NED N601				TS 02CC24	4	AAE			COVER 211310	J03	3401 044 01B		
											03-12-98PA		
COVER 211310	P03	3401 044 01B	380FS007M12-02G3	H02030BO	8	3,572	3,92	3,872	SVM CB 314200	J03	3401 044 01B	380FS007	
		06G-12-98SA									03-14-18 SN	M14-04G3	
SVM CB 314200	J03			TS 02CC24	4	0,312	0,606	0,612	SVM CB 314100	P01	DEMA 9P	DW 214-09-1-4-0011 XE-01	
Harness Bundle CCH-ICS-37													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
NED N602				TS 02CC24	4	AAE			COVER 211310	J04	3401 044 01B		
											03-12-98PB		
COVER 211310	P04	3401 044 01B	380FS007M12-02G3	H02030BO	8	3,504	3,85	3,804	SVM CB 314200	J04	3401 044 01B	380FS007	
		06G-12-98SB									03-14-18 SA	M14-04G3	
SVM CB 314200	J04			TS 02CC24	4	0,307	0,61	0,607	SVM CB 314100	P02	DEMA 9P	DW 214-09-1-4-0011 XE-01	
Harness Bundle CCH-ICS-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Satu. Ind. SI601				H02130BS	1	AAE			COVER 211310	J05	3401 044 01B		
											03-12-35 PA		
COVER 211310	P05	3401 044 01B	380FS007M12-02G3	H02130BS	1	3,528		3,828	SVM CB 314200	J05	3401 044 01B	380FS007	

CCH CVV I/F CB ext. (upper and lower ring) to SVM-CB's (J-side)													
		06G-12-35 SA									03-10-35 PA	M10-02G3	
SVM CB 314200	J05	3401 044 01B		H02130BS	1	0,281		0,581	SVM CB 314100	P03	DAMA 15P	DW 214-15-2-6-0000	
		06G-10-35 SA											
Harness Bundle CCH-ICS-38													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Satu. Ind. SI602				H02130BS	1	AAE			COVER 211310	J06	3401 044 01B		
COVER 211310	P06	3401 044 01B	380FS007M12-02G3	H02130BS	1	3,474	3,345	3,774	SVM CB 314200	J06	3401 044 01B	380FS007	
SVM CB 314200	J06	06G-12-35 SB		H02130BS	1	0,317	0,54	0,617	SVM CB 314100	P04	03-10-35 PB	M10-02G3	
		06G-10-35 SB									DAMA 15P	CA-0115	
Harness Bundle CCH-ICE-35													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
Cover inside T601	P01	MRN4194-15P		H02138SS	2	AAE			Cover FTNR	J07	197-011P10-35P 429H		
Cover inside T602	P01	MRN4194-15P		H02138SS	2	AAE			Cover FTNR	J07			
Cover FTNR	P07	197-019-10-35S 429H		H02138SS	2	AAE			COVER 211310	J01	3401 044 01B		
Satu. Ind.(N) SI603	P01	MRN4194-15P		H02130BS	1	AAE			COVER 211310	J01	03-12-35 PN		
Cover FTNR	P07	197-019-10-35S 429H		H02138SS	2	AAE			COVER 211310	J02	3401 044 01B		
Satu. Ind.(R) SI604	P01	MRN4194-15P		H02130BS	1	AAE			COVER 211310	J02	03-12-35 PN		
COVER 211310	P01	3401 044 01B		H02138SS	2	3,656		3,956	SVM CB 314200	J01	3401 044 01B	380FS007	
		06G-12-35 SN	380FS007M12-02G3	H02130BS	1	3,656		3,956	SVM CB 314200	J01	03-10-35 PA	M10-02G3	
COVER 211310	P02	3401 044 01B	380FS007M12-02G3	H02138SS	2	3,593		3,893	SVM CB 314200	J02	3401 044 01B	380FS007	
		06G-12-35 SN		H02130BS	1	3,593		3,893	SVM CB 314200	J02	03-10-35 PB	M10-02G3	

CCH SVM I/F CB to SVM-PANELS (WEU's)													
Harness Bundle CCH-SCA-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321200	P01	3401 044 01B	440FS110-	T-02CC28	8	2,483		2,783	214100 CCU A	P01	DDMA 50P	CA-34-50	30
		06G 22-35S	M22 32	T-02CC28	10	2,36		2,66		P02	DDMA 50P	CA-34-50	30
				T-02CC28	12	2,276		2,576		P03	DDMA 50P	CA-34-50	30
				T-02CC28	4	2,386		2,686		P05	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCB-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321300	P01	3401 044 01B	440FS110-	T-02CC28	8	3,137		3,437	214100 CCU B	P14	DDMA 50P	CA-01-25	30
		06G 22-35S	M22 32	T-02CC28	10	3,207		3,507		P15	DDMA 50P	CA-34-50	30
				T-02CC28	12	3,293		3,593		P16	DDMA 50P	CA-34-50	30
				T-02CC28	2	3,25		3,55		P18	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCA-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321200	P05	3401 044 01B	440FS110-	T-02CC28	4	2,665		2,965	214100 CCU A	P07	DDMA 25P	CA-01-25	19
		06G 22-35S	M22 32	T-02CC28	1	2,434		2,734		P08	DDMA 25P	CA-01-25	19
Harness Bundle CCH-SCB-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321300	P05	3401 044 01B	440FS110-	T-02CC28	4	3,467		3,767	214100 CCU B	P20	DDMA 25P	CA-01-25	19
		06G 22-35S	M22 32	T-02CC28	1	3,647		3,947		P21	DDMA 25P	CA-01-25	19
Harness Bundle CCH-SCA-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321200	P02	3401 044 01B	440FS110-	T-02CC28	8	2,52		2,82	214100 CCU A	P01			
		06G 22-35S	M22 32	T-02CC28	2	2,384		2,684		P02			
				T-02CC28	6	2,417		2,717		P05			
				T-02CC29	1	2,289		2,589		P08			
Harness Bundle CCH-SCB-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321300	P02	3401 044 01B	440FS110-	T-02CC28	8	3,244		3,544	214100 CCU B	P14			
		06G 22-35S	M22 32	T-02CC28	2	3,396		3,696		P16			
				T-02CC28	8	3,334		3,634		P18			
				T-02CC28	2	3,421		3,721		P21			
Harness Bundle CCH-SCA-31													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 316100	P01	3401 044 01B		T-02CC28	4	1,696		1,996	214100 CCU A	P07			
		06G 12-35SA		T-02CC29	2	1,473		1,773		P08			
Harness Bundle CCH-SCB-31													
Designation				Cable Bundle					Destination				Bundle

CCH SVM I/F CB to SVM-PANELS (WEU's)													
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 316100	P02	3401 044 01B 06G 12-35SB		T-02CC28 T-02CC29	4 2	1,993 2,166		2,293 2,466	214100 CCU B	P20 P21			
Harness Bundle CCH-SCA-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321200	P03	3401 044 01B 06G 22-35S	440FS110- M22 32	T-02CC28	18	2,583		2,883	214100 CCU A	P04	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCA-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321200	P04	3401 044 01B 06G 22-35S	440FS110- M22 32	T-02CC28 T-02CC28	10 6	2,521 2,439		2,821 2,739	214100 CCU A	P05 P06	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCB-32													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321300	P03	3401 044 01B 06G 22-35S	440FS110- M22 32	T-02CC28 T-02CC28	2 18	3,315 3,422		3,615 3,722	214100 CCU A	P15 P19	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCB-33													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 321300	P04	3401 044 01B 06G 22-35S	440FS110- M22 32	T-02CC28	16	3,349		3,649	214100 CCU B	P17	DDMA 50P	CA-34-50	30
Harness Bundle CCH-SCA-34													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 315100	P05	3401 044 01B 06G 14-35SA	440FS110- M22 32	T-02CC28	12	3,494		3,794	214100 CCU A	P06			
Harness Bundle CCH-SCB-34													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
SVM-CB 315100	P06	3401 044 01B 06G 14-35SB	440FS110- M22 32	T-02CC28 T-02CC28	10 2	4,133 4,209		4,433 4,509	214100 CCU B	P18 P19	DDMA 50P		
				All Sub-D-Connectors are type SCC 3401									
				All Sub-HD-Connectors are type SCC 340									

EADS Astrium

PFM Cryo-Harness Branch
 Characteristics

Herschel

5 ANNEX 2: HIFI INSTRUMENT HARNESS SIH

2 - 1 HIFI Harness internal CVV

2 - 2 HIFI Harness external CVV and LOU Harness

2 - 3 HIFI Harness SVM

Internal) CEU's to CVV I/F-CB					
CATIA lth (m) +0,3m	Destination				Bundle weight(g)
	Unit	Con.ID	Con.-TyP-429e	Backs.-Type	
1,822	CVV I/F-CB 211121	J18	197-011P-22-35P-429	100/172_173_01_0A	376,5
1,873					
1,923					
1,973					
2,023					
2,074					
2,124					
1,851					
1,851					
1,901					
1,901					
1,951					
1,951					
2,001					
2,001					
2,051					
2,051					
2,102					
2,102					
2,152					
2,152					
0,065					

CATIA lth (m) +0,3m	Destination				Bundle weight(g)
	Unit	Con.ID	Con.-TyP-429e	Backs.-Type	
1,871	CVV I/F-CB 211121	J16	197-011P-22-35P-429	100/172_173_01_0A	370,3
1,922					
1,972					
2,022					
2,072					
3,009					
3,009					
3,013					
3,013					
3,066					
3,066					
0,065					

CATIA lth (m) +0,3m	Destination				Bundle weight(g)
	Unit	Con.ID	Con.-TyP-429e	Backs.-Type	
1,878	CVV I/F-CB 211121	J19	197-011P-22-35P-429	100/172_173_01_0A	578,9
1,924					
1,976					
2,026					
2,077					
2,125					
2,164					
1,883					
1,883					
1,992					
1,992					
2,279					
2,279					
2,03					
2,03					
2,08					
2,08					
2,13					
2,13					
2,174					
2,174					
0,065					

HIFI SIH Harness(internal) CEU's to CVV I/F-CB													
Harness Bundle: SIH-CH-04													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Typ-429e	Backs.-Type	weight(g)
111100 HFPU	P32	MWDM-9P	507 E 196 M 9	H04138BS	1	1,708	1,93	2,008	CVV I/F-CB 211121	J20	197-011P-22-35P-429	100/172_173_01_0A	449,1
111100 HFPU	P33	MWDM-9P	507 E 196 M 9	H04138BS	1	1,75	1,98	2,05					
111100 HFPU	P34	MWDM-9P	507 E 196 M 9	H04138BS	1	1,799	2,03	2,099					
111100 HFPU	P35	MWDM-9P	507 E 196 M 9	H04138BS	1	1,849	2,085	2,149					
111100 HFPU	P36	MWDM-9P	507 E 196 M 9	H04138BS	1	1,906	2,13	2,206					
111100 HFPU	P56	MWDM-21S	BS-LS-17C-01	H05130BS	2	2,777	3,01	3,077					
				H04138SS	1	2,777	3,01	3,077					
111100 HFPU	P57	MWDM-21S	BS-LS-17C-01	H05130BS	2	2,74	2,99	3,04					
				H04138SS	1	2,74	2,99	3,04					
111100 HFPU	P58	MWDM-21S	BS-LS-17C-01	H05130BS	2	2,711	2,97	3,011					
				H04138SS	1	2,711	2,97	3,011					
				H01038S0	28			0,065					
Harness Bundle: SIH-CH-05													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Typ-429e	Backs.-Type	weight(g)
111100 HFPU	P59	MWDM-9S	BS-SS-17A-01	H04138SS	1	2,498	2,69	2,798	CVV I/F-CB 211121	J17	197-011P-24-35P-429	128/175_176_01_0A	363,2
111100 HFPU	P60	MWDM-9S	BS-LS-17A-01	H04138SS	1	2,504	2,69	2,804					
111100 HFPU	P61	MWDM-21P	BS-SS-17C-01	H04138BS	1	1,85	2,12	2,15					
				H03138SS	1	1,85	2,12	2,15					
				H02138BS	1	1,85	2,12	2,15					
111100 HFPU	P62	MWDM-21P	BS-SS-17C-01	H04138BS	1	1,844	2,12	2,144					
				H03138SS	1	1,844	2,12	2,144					
				H02138BS	1	1,844	2,12	2,144					
111100 HFPU	P63	MWDM-21P	BS-SS-17C-01	H04138SS	2	1,077	1,27	1,377					
111100 HFPU	P64	MWDM-21P	BS-SS-17C-01	H04138SS	3	1,062	1,255	1,362					
111100 HFPU	P65	MWDM-15P	BS-SS-17B-01	H04138SS	1	2,072	2,335	2,372					
				H02138BS	1	2,072	2,335	2,372					
111100 HFPU	P66	MWDM-15P	BS-SS-17B-01	H04138SS	1	2,063	2,335	2,363					
				H02138BS	1	2,063	2,335	2,363					
111100 HFPU	P67	MWDM-21S	BS-SS-17C-01	H02138BS	5	1,164	1,405	1,464					
111100 HFPU	P68	MWDM-21S	BS-SS-17C-01	H02138BS	5	1,127	1,315	1,427					
111100 HFPU	P69	MWDM-9P	BS-SS-17A-01	H04138SS	1	2,073	2,34	2,373					
				H01038S0	58			0,065					

HIFI SIH Harness(external) SVM-CB to CVV I/F-CB														
Harness Bundle: SIH-IH-01														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311100	J03	SCC-3401-044	440 FS 110 M 22 03	H05138SS	7	2,137	2,1	2,437	CVV I/F-CB 211121	P18	197-012 22-35S-429	G 9254 F 22 M	397,1	
		01B 03-22-35P		H03138SS	7	2,137	2,1	2,437				687-524 M 22 03		
				H03130BS	5	2,137	2,1	2,437						
				H04130BS	2	2,137	2,1	2,437						
Harness Bundle: SIH-IH-02														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311100	J01	SCC-3401-044	440 FS 110 M 22 32	H04138BS	5	2,103	2,07	2,403	CVV I/F-CB 211121	P16	197-012 22-35S-429	G 9254 F 22 M	369	
		01B 03-22-35P		H05130BS	6	2,103	2,07	2,403				687-524 M 22 03		
				H04138SS	3	2,103	2,07	2,403						
Harness Bundle: SIH-IH-03														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311100	J04	SCC-3401-044	440 FS 110 M 22 03	H04138SS	7	2,003	1,96	2,303	CVV I/F-CB 211121	P19	197-012 22-35S-429	G 9254 F 22 M	384	
		01B 03-22-35P		H03138SS	7	2,003	1,96	2,303				687-524 M 22 03		
				H03130BS	5	2,003	1,96	2,303						
				H04130BS	2	2,003	1,96	2,303						
Harness Bundle: SIH-IH-04														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311100	J05	SCC-3401-044	440 FS 110 M 22 32	H04138BS	5	1,972	1,94	2,272	CVV I/F-CB 211121	P20	197-012 22-35S-429	G 9254 F 22 M	356,8	
		01B 03-22-35P		H05130BS	6	1,972	1,94	2,272				687-524 M 22 03		
				H04138SS	3	1,972	1,94	2,272						
Harness Bundle: SIH-IH-05														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311100	J02	SCC-3401-044	440 FS 110 M 24 03	H04138SS	10	2,148	2,12	2,448	CVV I/F-CB 211121	P17	197-012 24-35S-429	G 9254 F 24 M	422,2	
		01B 03-24-35P		H03138SS	2	2,148	2,12	2,448				687-524 M 24 03		
				H02138BS	14	2,148	2,12	2,448						
				H04138BS	2	2,148	2,12	2,448						
Harness Bundle: SIH-IH-06(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311200	J05	SCC-3401-044	440 FS 110 M 24 33	TS-6-22 CM	2	2,073		2,373	LOU	P01	3401 002 01B	CA-34-50		
		01B 03-24-35P		H02-02138SS	1	2,073		2,373			DDMA-50P			
				021CM-28	3	2,073		2,373						
				H04-02138SS	1	2,073		2,373						
				H02138BS	1	2,073		2,373						
				H04138SS	1	2,073		2,373						
				TS-6-22 CM	2	2,094		2,394	LOU	P03	3401 002 01B	CA-34-50		
				H02-02138SS	1	2,094		2,394			DDMA-50P			
				021CM-28	3	2,094		2,394						
				H04-02138SS	1	2,094		2,394						
				H04138SS	1	2,094		2,394						
				H02138SS	1	2,094		2,394						
				H02138BS	3	2,094		2,394						
Harness Bundle: SIH-IH-07(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311200	J07	SCC-3401-044	440 FS 110 M 24 33	TS-6-22 CM	2	2,095		2,395	LOU	P05	3401 002 01B	CA-34-50		
		01B 03-24-35P		H02-02138SS	1	2,095		2,395			DDMA-50P			
				021CM-28	3	2,095		2,395						
				H04-02138SS	1	2,095		2,395						
				H04138SS	1	2,095		2,395						
				H02138SS	1	2,095		2,395						
				H02138BS	3	2,095		2,395						
				TS-6-22 CM	2	2,138		2,438	LOU	P07	3401 002 01B	CA-34-50		
				H02-02138SS	1	2,138		2,438			DDMA-50P			
				021CM-28	3	2,138		2,438						
				H04-02138SS	1	2,138		2,438						
				H04138SS	1	2,138		2,438						
				H02138SS	1	2,138		2,438						

HIFI SIH Harness(external) SVM-CB to CVV I/F-CB														
				H02138BS		3		2,138				2,438		
Harness Bundle: SIH-IH-08(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311300	J01	SCC-3401-044 01B 03-24-35P	440 FS 110 M 24 33	TS-6-22 CM	2	1,861		2,161	LOU	P09	3401 002 01B DDMA-50P	CA-34-50		
				H02-02138SS	1	1,861		2,161						
				021CM-28	3	1,861		2,161						
				H04-02138SS	1	1,861		2,161						
				H04138SS	1	1,861		2,161						
				H02138SS	1	1,861		2,161						
				H02138BS	3	1,861		2,161						
				TS-6-22 CM	2	1,84		2,14	LOU	P11	3401 002 01B DDMA-50P	CA-34-50		
				H02138SS	1	1,84		2,14						
				021CM-28	3	1,84		2,14						
				H04-02138SS	2	1,84		2,14						
				H04138SS	1	1,84		2,14						
				H02138SS	5	1,84		2,14						
				021CM-28	1	2,143		2,443	LOU	P15	3401 002 01B	CA-04-09		
Harness Bundle: SIH-IH-09(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311300	J05	MS27497T24F35P SCC-3401-044 01B 03-24-35P	440 FS 110 M 24 33	TS-6-22 CM	2	1,797		2,097	LOU	P13	3401 002 01B DDMA-50P	CA-34-50		
				H02138SS	1	1,797		2,097						
				021CM-28	3	1,797		2,097						
				H04-02138SS	2	1,797		2,097						
				H04138SS	1	1,797		2,097						
				H02138SS	5	1,797		2,097						
				TS-6-22 CM	2	1,798		2,098	LOU	P14	3401 002 01B DDMA-50P	CA-34-50		
				H02138SS	1	1,798		2,098						
				021CM-28	3	1,798		2,098						
				H04-02138SS	2	1,798		2,098						
				H04138SS	1	1,798		2,098						
				H02138SS	5	1,798		2,098						
Harness Bundle: SIH-IH-10(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311200	J06	MS27497T24F35P SCC-3401-044 01B 03-24-35P	440 FS 110 M 24 33	TS-6-22 CM	2	2,049		2,349	LOU	P02	3401 002 01B DDMA-50P	CA-34-50		
				H02-02138SS	1	2,049		2,349						
				021CM-28	3	2,049		2,349						
				H04-02138SS	1	2,049		2,349						
				H02138BS	1	2,049		2,349						
				H04138SS	1	2,049		2,349						
				TS-6-22 CM	2	2,065		2,365	LOU	P04	3401 002 01B DDMA-50P	CA-34-50		
				H02-02138SS	1	2,065		2,365						
				021CM-28	3	2,065		2,365						
				H04-02138SS	1	2,065		2,365						
				H04138SS	1	2,065		2,365						
				H02138SS	1	2,065		2,365						
				H02138BS	3	2,065		2,365						
Harness Bundle: SIH-IH-11(LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
SVM-CB 311200	J08	SCC-3401-044 01B 03-24-35P	440 FS 110 M 24 33	TS-6-22 CM	2	2,093		2,393	LOU	P06	3401 002 01B DDMA-50P	CA-34-50		
				H02-02138SS	1	2,093		2,393						
				021CM-28	3	2,093		2,393						
				H04-02138SS	1	2,093		2,393						
				H04138SS	1	2,093		2,393						
				H02138SS	1	2,093		2,393						
				H02138BS	3	2,093		2,393						
				TS-6-22 CM	2	2,125		2,425	LOU	P08	3401 002 01B DDMA-50P	CA-34-50		
				H02-02138SS	1	2,125		2,425						
				021CM-28	3	2,125		2,425						
				H04-02138SS	1	2,125		2,425						
				H04138SS	1	2,125		2,425						
				H02138SS	1	2,125		2,425						
				H02138BS	3	2,125		2,425						
Harness Bundle: SIH-IH-12 (LOU)														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	

HIFI SIH Harness(external) SVM-CB to CVV I/F-CB												
SVM-CB 311300	J003	SCC-3401-044 01B 03-24-35P	440 FS 110 M 24 33	TS-6-22 CM	2	1,858		2,158	LOU	P10	3401 002 01B	CA-34-50
				H02-02138SS	1	1,858		2,158			DDMA-50P	
				021CM-28	3	1,858		2,158				
				H04-02138SS	1	1,858		2,158				
				H04138SS	1	1,858		2,158				
				H02138SS	1	1,858		2,158				
				H02138BS	3	1,858		2,158				
				TS-6-22 CM	2	1,836		2,136	LOU	P12	3401 002 01B	CA-34-50
				H02138SS	1	1,836		2,136			DDMA-50P	
				021CM-28	3	1,836		2,136				
				H04-02138SS	2	1,836		2,136				
				H04138SS	1	1,836		2,136				
				H02138SS	5	1,836		2,136				
				021CM-28	1	2,198		2,498	LOU	P16	3401 002 01B	CA-04-09

HIFI SIH Harness SVM-CB to WEU's

Harness Bundle: SIH-SH-01														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112300 HHFCU	P11	HDMA-44S	CA-01-25	TS-5CC28	7	2,599		2,899	SVM 311100 CB 01	P03	SCC3401-044-01B-	46	380 FS 007 M 22 04 L3	638
112300 HHFCU	P14	HDMA-44P	CA-01-25	TS-5CC28	4	2,573		2,873			06G-22-35S			
				TS-4CC28	2	2,573		2,873						

Harness Bundle: SIH-SH-02														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112300 HHFCU	P12	DCMA-37P	CA-45-37	TS-4CC28	2	2,767		3,067	SVM 311100 CB 01	P01	SCC3401-044-01B-	46	380 FS 007 M 22 04 L3	604
				TS-3CC28	2	2,767		3,067			06G-22-35S			
112300 HHFCU	P15	HDMA-62P	CA-45-37	TS-5CC28	6	2,733		3,033						
				TS-4CC28	3	2,733		3,033						

Harness Bundle: SIH-SH-03														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112300 HHFCU	P21	HDMA-44S	CA-01-25	TS-5CC28	7	2,578		2,878	SVM 311100 CB 01	P04	SCC3401-044-01B-	46	380 FS 007 M 22 05 L3	634
112300 HHFCU	P24	HDMA-44P	CA-01-25	TS-5CC28	4	2,552		2,852			06G-22-35S			
				TS-4CC28	2	2,552		2,852						

Harness Bundle: SIH-SH-04														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112300 HHFCU	P22	DCMA-37P	CA-45-37	TS-4CC28	2	2,622		2,922	SVM 311100 CB 01	P05	SCC3401-044-01B-	46	380 FS 007 M 22 04 L3	576
				TS-3CC28	2	2,622		2,922			06G-22-35S			
112300 HHFCU	P25	HDMA-62P	CA-45-37	TS-5CC28	6	2,612		2,912						
				TS-4CC28	3	2,612		2,912						

Harness Bundle: SIH-SH-05														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112300 HHFCU	P16	HDMA-62S	CA-45-37	TS-4CC28	6	2,572		2,872	SVM 311100 CB 01	P02	SCC3401-044-01B-	56	380 FS 007 M 24 05 L3	838
				TS-3CC28	1	2,572		2,872			06G-24-35S			
112300 HHFCU	P26	HDMA-62S	CA-45-37	TS-2CC28	2	2,572		2,872						
				TS-4CC28	6	2,529		2,829						
				TS-3CC28	1	2,529		2,829						
				TS-2CC28	2	2,529		2,829						
112300 HHFCU	P17	DAMA-15P	CA-01-15	TS-4CC28	1	2,581		2,881						
				TS-3CC28	1	2,581		2,881						
112300 HHFCU	P27	DAMA-15P	CA-01-15	TS-4CC28	1	2,605		2,905						
				TS-3CC28	1	2,605		2,905						

Harness Bundle: SIH-SH-06														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLUCU	P07	HDMA-44P	CA-01-25	TS-6CC22	2	0,937		1,237	SVM CB 311200	P05	SCC3401-044-01B-	56	380 FS 007 M 24 04	465
				TS-4CC28	1	0,937		1,237			06G-24-35S			
112100 HHLUCU	P08	HDMA-44P	CA-01-25	TS-2CC28	11	0,937		1,237						
				TS-6CC22	2	0,959		1,259						
				TS-4CC28	1	0,959		1,259						
				TS-2CC28	13	0,959		1,259						

Harness Bundle: SIH-SH-07														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLUCU	P09	HDMA-44P	CA-01-25	TS-6CC22	2	1,004		1,304	SVM CB 311200	P07	SCC3401-044-01B-	56	380 FS 007 M 24 04	482
				TS-4CC28	1	1,004		1,304			06G-24-35S			
				TS-2CC28	13	1,004		1,304						
112100 HHLUCU	P10	HDMA-44P	CA-01-25	TS-6CC22	2	0,957		1,257						
				TS-4CC28	1	0,957		1,257						
				TS-2CC28	13	0,957		1,257						

Harness Bundle: SIH-SH-08														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLUCU	P12	HDMA-44P	CA-01-25	TS-6CC22	2	1,775		2,075	SVM CB 311300	P01	SCC3401-044-01B-	56	380 FS 007 M 24 04	
				TS-4CC28	1	1,775		2,075			06G-24-35S			
				TS-2CC28	13	1,775		2,075						
112100 HHLUCU	P11	HDMA-44P	CA-01-25	TS-6CC22	2	1,651		1,951						
				TS-4CC28	1	1,651		1,951						
				TS-2CC28	17	1,651		1,951						
112100 HHLUCU	P03	DEMA-9P	CA-04-09	TS-2CC28	1	1,641		1,941						

HIFI SIH Harness SVM-CB to WEU's														
Harness Bundle: SIH-SH-09														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLCU	P18	HDMA-44P	CA-01-25	TS-6CC22	2	1,664		1,964	SVM CB 311300	P05	SCC3401-044-01B-06G-24-35S	56	380 FS 007 M 24 04	
				TS-4CC28	1	1,664	1,964							
				TS-2CC28	17	1,664	1,964							
112100 HHLCU	P20	HDMA-44P	CA-01-25	TS-6CC22	2	1,633		1,933						
				TS-4CC28	1	1,633	1,933							
				TS-2CC28	17	1,633	1,933							
Harness Bundle: SIH-SH-10														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLCU	P14	HDMA-44P	CA-01-25	TS-6CC22	2	1,166		1,466	SVM CB 311200	P06	SCC3401-044-01B-06G-24-35S	56	380 FS 007 M 24 04	
				TS-4CC28	1	1,166	1,466							
				TS-2CC28	11	1,166	1,466							
112100 HHLCU	P15	HDMA-44P	CA-01-25	TS-6CC22	2	1,126		1,426						
				TS-4CC28	1	1,126	1,426							
				TS-2CC28	13	1,126	1,426							
Harness Bundle: SIH-SH-11														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLCU	P16	HDMA-44P	CA-01-25	TS-6CC22	2	1,163		1,463	SVM CB 311200	P08	SCC3401-044-01B-06G-24-35S	56	380 FS 007 M 24 04	524
				TS-4CC28	1	1,163	1,463							
				TS-2CC28	13	1,163	1,463							
112100 HHLCU	P17	HDMA-44P	CA-01-25	TS-6CC22	2	1,119		1,419						
				TS-4CC28	1	1,119	1,419							
				TS-2CC28	13	1,119	1,419							
Harness Bundle: SIH-SH-12														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	Weight (g)
112100 HHLCU	P19	HDMA-44P	CA-01-25	TS-6CC22	2	1,536		1,836	SVM CB 311300	P03	SCC3401-044-01B-06G-24-35S	56	380 FS 007 M 24 04	
				TS-4CC28	1	1,536	1,836							
				TS-2CC28	13	1,536	1,836							
112100 HHLCU	P13	HDMA-44P	CA-01-25	TS-6CC22	2	1,643		1,943						
				TS-4CC28	1	1,643	1,943							
				TS-2CC28	17	1,643	1,943							
112100 HHLCU	P23	DEMA-9P	CA-04-09	TS-2CC28	1	1,607		1,907						

EADS Astrium

PFM Cryo-Harness Branch
 Characteristics

Herschel

6 ANNEX 3: PACS INSTRUMENT HARNESS SIH

3 - 1 PACS Harness internal CVV

3 - 2 PACS Harness external CVV

3 - 3 PACS Harness SVM

a) CEU's to CVV I/F-CB						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,46	2,524	CVV I/F-CB	J09	197-011P 24-35P	128/175_176_01_0A	552,5
,46	2,524	211121				
,47	2,5117					
,465	2,507					
,44	2,512					
,44	2,512					
,46	2,512					
	0,065					
Destination						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,31	2,44	CVV I/F-CB	J08	197-011P 22-35P	100/172_173_01_0A	480,6
,31	2,44	211121				
2,3	2,437					
,28	2,438					
,295	2,435					
,295	2,435					
	0,065					
Destination						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,485	1,621	CVV I/F-CB	J02	197-011P 24-35P	128/175_176_01_0A	433
,485	1,621	211121				
,54	1,684					
,535	1,628					
,535	1,634					
,535	1,634					
,55	1,616					
	0,065					
Destination						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,58	1,675	CVV I/F-CB	J01	197-011P 22-35P	100/172_173_01_0A	397,4
,58	1,675	211121				
,67	1,735					
,61	1,716					
,61	1,705					
,61	1,705					
	0,065					
Destination						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,38	2,495	CVV I/F-CB	J05	197-011P 24-35P	128/175_176_01_0A	313,7
,365	2,471	211121				
,325	2,457					
,325	2,457					
,325	2,457					
,325	2,457					
	0,065					
Destination						
		Destination				Bundle
lit lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
,255	2,398	CVV I/F-CB	J06	197-011P 24-35P	128/175_176_01_0A	308,6
,255	2,372	211121				
,245	2,357					
,245	2,357					

PACS SIH (internal) CEU's to CVV I/F-CB														
				H03138SS	1	2,057	2,245	2,357						
				H02130BS	1	2,057	2,245	2,357						
				H01038S0	16			0,065						
Cable Bundle SIH-CP-07														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P56	MWDM-37S	BS-LS-17F-01	H08-02138SS	2	1,534	1,75	1,834	CVV I/F-CB	J10	197-011P 24-35P	128/175_176_01_0A	288,8	
131100 PFPU	P57	MWDM-37S	BS-LS-17F-01	H08-02138SS	2	1,554	1,765	1,854	211121					
131100 PFPU	P58	MWDM-37P	BS-LS-17F-01	H11138SS	1	1,567	1,795	1,867						
				H19138SS	1	1,567	1,795	1,867						
				H03138SS	1	1,567	1,795	1,867						
				H02130BS	1	1,567	1,795	1,867						
				H01038S0	16			0,065						
Cable Bundle SIH-CP-08														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P59	MWDM-37S	BS-LS-17F-01	H08-02138SS	2	1,371	1,52	1,671	CVV I/F-CB	J11	197-011P 24-35P	128/175_176_01_0A	279,9	
131100 PFPU	P60	MWDM-37S	BS-LS-17F-01	H08-02138SS	2	1,347	1,55	1,647	211121					
131100 PFPU	P61	MWDM-37P	BS-LS-17F-01	H11138SS	1	1,357	1,57	1,657						
				H19138SS	1	1,357	1,57	1,657						
				H03138SS	1	1,357	1,57	1,657						
				H02130BS	1	1,357	1,57	1,657						
				H01038S0	16			0,065						
Cable Bundle SIH-CP-09														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P62	MWDM-37S	BS-SS-17F-01	H08-02138SS	2	1,25	1,25	1,55	CVV I/F-CB	J12	197-011P 22-35P	100/172_173_01_0A	220,6	
131100 PFPU	P63	MWDM-37P	BS-SS-17F-01	H11138SS	1	1,243	1,187	1,543	211121					
				H19138SS	1	1,243	1,187	1,543						
				H03138SS	1	1,243	1,187	1,543						
				H02130BS	1	1,243	1,187	1,543						
				H01038S0	12			0,065						
Cable Bundle SIH-CP-10														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P64	MWDM-37S	BS-LS-17F-01	H08-02138SS	2	1,141	1,32	1,441	CVV I/F-CB	J13	197-011P 22-35P	100/172_173_01_0A	216,3	
131100 PFPU	P65	MWDM-37P	BS-LS-17F-01	H11138SS	1	1,172	1,365	1,472	211121					
				H19138SS	1	1,172	1,365	1,472						
				H03138SS	1	1,172	1,365	1,472						
				H02130BS	1	1,172	1,365	1,472						
				H01038S0	12			0,065						
Cable Bundle SIH-CP-11														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P68	MWDM-37P	BS-LS-17F-01	H06-02130BS	1	1,109	1,29	1,409	CVV I/F-CB	J14	197-011P 22-35P	100/172_173_01_0A	233,7	
				H02-02138SS	5	1,109	1,29	1,409	211121					
131100 PFPU	P66	MWDM-37P	BS-SS-17F-01	H02-02138SS	3	1,114	1,275	1,414						
				H02-02130BS	1	1,114	1,275	1,414						
				H01038S0	20			0,065						
Cable Bundle SIH-CP-12														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P69	MWDM-37P	BS-LS-17F-01	H06-02130BS	1	1,203	1,37	1,503	CVV I/F-CB	J15	197-011P 22-35P	100/172_173_01_0A	240,5	
				H02-02138SS	5	1,203	1,37	1,503	211121					
131100 PFPU	P67	MWDM-37P	BS-SS-17F-01	H02-02138SS	3	1,198	1,335	1,498						
				H02-02130BS	1	1,198	1,335	1,498						
				H01038S0	20			0,065						

PACS SIH (internal) CEU's to CVV I/F-CB														
Cable Bundle SIH-CP-13														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P01	MWDM-31P	BS-SS-17E-01	H02-02130BS	1	2,116	2,29	2,416	CVV I/F-CB	J07	197-011P 24-35P	128/175_176_01_0A	316,8	
				H04138SS	3	2,116	2,29	2,416	211121					
				H08138SS	1	2,116	2,29	2,416						
131100 PFPU	P03	MWDM-31P	BS-SS-17E-01	H02-02130BS	1	2,603	2,8	2,903						
				H04138SS	3	2,603	2,8	2,903						
				H08138SS	1	2,603	2,8	2,903						
131100 PFPU	P07	MWDM-31P	BS-LS-17E-01	H02-02130BS	2	2,464	2,7	2,764						
				H04138SS	1	2,464	2,7	2,764						
				H08138SS	2	2,464	2,7	2,764						
131100 PFPU	P09	MWDM-9P	BS-SS-17A-01	H08138SS	1	2,167	2,337	2,467						
				H01038S0	32			0,065						
Cable Bundle SIH-CP-14														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P02	MWDM-31P	BS-SS-17E-01	H02-02130BS	1	2,287	2,445	2,587	CVV I/F-CB	J03	197-011P 24-35P	128/175_176_01_0A	394,1	
				H04138SS	3	2,287	2,445	2,587	211121					
				H08138SS	1	2,287	2,445	2,587						
131100 PFPU	P04	MWDM-31P	BS-SS-17E-01	H02-02130BS	1	2,828	3,05	3,128						
				H04138SS	3	2,828	3,05	3,128						
				H08138SS	1	2,828	3,05	3,128						
131100 PFPU	P06	MWDM-15P	BS-SS-17B-01	H02-02130BS	2	2,447	2,63	2,747						
				H04138SS	1	2,447	2,63	2,747						
131100 PFPU	P42	MWDM-21P	BS-SS-17D-01	H03-02130BS	1	0,851	1,11	1,151						
				H08138SS	1	0,851	1,11	1,151						
				H02130BS	1	0,851	1,11	1,151						
131100 PFPU	P43	MWDM-21P	BS-SS-17D-01	H06138SS	2	0,865	1,12	1,165						
				H04138SS	1	0,865	1,12	1,165						
				H02138SS	2	0,865	1,12	1,165						
				H01038S0	42			0,065						
Cable Bundle SIH-CP-15														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
131100 PFPU	P05	MWDM-15P	BS-SS-17B-01	H02-02130BS	2	2,391	2,56	2,691	CVV I/F-CB	J04	197-011P 22-35P	100/172_173_01_0A	270,4	
				H04138SS	1	2,391	2,56	2,691	211121					
131100 PFPU	P08	MWDM-9P	BS-SS-17A-01	H08138SS	1	2,284	2,48	2,584						
131100 PFPU	P40	MWDM-21P	BS-SS-17C-01	H03-02130BS	1	0,881	1	1,181						
				H02130BS	1	0,881	1	1,181						
				H08138SS	1	0,881	1	1,181						
131100 PFPU	P41	MWDM-21P	BS-SS-17C-01	H06138SS	2	0,896	1,02	1,196						
				H04138SS	1	0,896	1,02	1,196						
				H02138SS	2	0,896	1,02	1,196						
				H01038S0	24			0,065						

PACS SIH (external) SVM-CB to CVV I/F-CB														
Cable Bundle SIH-IP-01														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P09	197-012 24-35S-429	G 9254 F 24 M	H24138SS	1	2,315	2,3	2,615	SVM CB 313100	J08	SCC-3401-044	440 FS 110 M 24 04	604	
211121			687-524 M 24 03	H11138SS	2	2,315	2,3	2,615			01B-24-35P			
				H06138SS	1	2,315	2,3	2,615						
				H02138SS	2	2,315	2,3	2,615						
				H01238SS	13	2,315	2,3	2,615						
				H01238BS	2	2,315	2,3	2,615						
Cable Bundle SIH-IP-02														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P08	197-012 22-35S-429	G 9254 F 22 M	H24138SS	1	2,367	2,34	2,667	SVM CB 313100	J07	SCC-3401-044	440 FS 110 M 22 03	542,2	
211121			687-524 M 22 03	H11138SS	1	2,367	2,34	2,667			01B-22-35P			
				H06138SS	1	2,367	2,34	2,667						
				H02138SS	2	2,367	2,34	2,667						
				H01238SS	12	2,367	2,34	2,667						
				H01238BS	2	2,367	2,34	2,667						
Cable Bundle SIH-IP-03														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P02	197-012 24-35S-429	G 9254 F 24 M	H24138SS	1	1,888	1,86	2,188	SVM CB 313100	J02	SCC-3401-044	440 FS 110 M 24 03	537,5	
211121			687-524 M 24 03	H11138SS	1	1,888	1,86	2,188			01B-24-35P			
				H19138SS	1	1,888	1,86	2,188						
				H06138SS	1	1,888	1,86	2,188						
				H02138SS	2	1,888	1,86	2,188						
				H01238SS	15	1,888	1,86	2,188						
Cable Bundle SIH-IP-04														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P01	197-012 22-35S-429	G 9254 F 22 M	H24138SS	1	1,806	1,84	2,106	SVM CB 313100	J01	SCC-3401-044	440 FS 110 M 22 03	475,4	
211121			687-524 M 22 03	H11138SS	1	1,806	1,84	2,106			01B-22-35P			
				H06138SS	1	1,806	1,84	2,106						
				H02138SS	2	1,806	1,84	2,106						
				H01238SS	14	1,806	1,84	2,106						
Cable Bundle SIH-IP-05														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P05	197-012 24-35S-429	G 9254 F 24 M	H08-02138SS	4	2,387	2,36	2,687	SVM CB 313200	J04	SCC-3401-044	440 FS 110 M 24 32	388,5	
211121			687-524 M 24 03	H11138SS	1	2,387	2,36	2,687			01B-24-35P			
				H19138SS	1	2,387	2,36	2,687						
				H03138SS	1	2,387	2,36	2,687						
				H02130BS	1	2,387	2,36	2,687						
Cable Bundle SIH-IP-06														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P06	197-012 24-35S-429	G 9254 F 24 M	H08-02138SS	4	2,402	2,37	2,702	SVM CB 313200	J06	SCC-3401-044	440 FS 110 M 24 32	385,7	
211121			687-524 M 24 03	H11138SS	1	2,402	2,37	2,702			01B-24-35P			
				H19138SS	1	2,402	2,37	2,702						
				H03138SS	1	2,402	2,37	2,702						
				H02130BS	1	2,402	2,37	2,702						
Cable Bundle SIH-IP-07														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P10	197-012 24-35S-429	G 9254 F 24 M	H08-02138SS	4	2,68	2,69	2,98	SVM CB 313200	J08	SCC-3401-044	440 FS 110 M 24 32	406,8	
211121			687-524 M 24 03	H11138SS	1	2,68	2,69	2,98			01B-24-35P			
				H19138SS	1	2,68	2,69	2,98						
				H03138SS	1	2,68	2,69	2,98						
				H02130BS	1	2,68	2,69	2,98						
Cable Bundle SIH-IP-08														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	
CVV I/F-CB	P11	197-012 24-35S-429	G 9254 F 24 M	H08-02138SS	4	3,093	3,08	3,393	SVM CB 313200	J02	SCC-3401-044	440 FS 110 M 24 32	428,4	
211121			687-524 M 24 03	H11138SS	1	3,093	3,08	3,393			01B-24-35P			

PACS SIH (external) SVM-CB to CVV I/F-CB													
				H19138SS	1	3,093	3,08	3,393					
				H03138SS	1	3,093	3,08	3,393					
				H02130BS	1	3,093	3,08	3,393					
Cable Bundle SIH-IP-09													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P12	197-012 22-35S-429	G 9254 F 22 M	H08-02138SS	2	3,045	3,04	3,345	SVM CB 313200	J01	SCC-3401-044	440 FS 110 M 22 32	374,4
211121			687-524 M 22 02	H11138SS	1	3,045	3,04	3,345			01B-22-35P		
				H19138SS	1	3,045	3,04	3,345					
				H03138SS	1	3,045	3,04	3,345					
				H02130BS	1	3,045	3,04	3,345					
Cable Bundle SIH-IP-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P13	197-012 22-35S-429	G 9254 F 22 M	H08-02138SS	2	2,992	2,95	3,292	SVM CB 313200	J03	SCC-3401-044	440 FS 110 M 22 32	344,5
211121			687-524 M 22 02	H11138SS	1	2,992	2,95	3,292			01B-22-35P		
				H19138SS	1	2,992	2,95	3,292					
				H03138SS	1	2,992	2,95	3,292					
				H02130BS	1	2,992	2,95	3,292					
Cable Bundle SIH-IP-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P14	197-012 22-35S-429	G 9254 F 22 M	H06-02130BS	1	3,416	3,39	3,716	SVM CB 313200	J05	SCC-3401-044	440 FS 110 M 22 32	409,5
211121			687-524 M 22 02	H02-02130BS	1	3,416	3,39	3,716			01B-22-35P		
				H02-02138SS	8	3,416	3,39	3,716					
Cable Bundle SIH-IP-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P15	197-012 22-35S-429	G 9254 F 22 M	H06-02130BS	1	3,578	3,56	3,878	SVM CB 313200	J07	SCC-3401-044	440 FS 110 M 22 32	418,7
211121			687-524 M 22 02	H02-02130BS	1	3,578	3,56	3,878			01B-22-35P		
				H02-02138SS	8	3,578	3,56	3,878					
Cable Bundle SIH-IP-13													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P07	197-012 24-35S-429	G 9254 F 24 M	H02-02130BS	4	2,087	2,09	2,387	SVM CB 313100	J06	SCC-3401-044	440 FS 110 M 24 03	406,3
211121			687-524 M 24 03	H08138SS	5	2,087	2,09	2,387			01B-24-35P		
				H04138SS	7	2,087	2,09	2,387					
Cable Bundle SIH-IP-14													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P03	197-012 24-35S-429	G 9254 F 24 M	H02-02130BS	4	1,957	1,93	2,257	SVM CB 313100	J04	SCC-3401-044	440 FS 110 M 24 03	432,9
211121			687-524 M 24 03	H08138SS	3	1,957	1,93	2,257			01B-24-35P		
				H04138SS	8	1,957	1,93	2,257					
				H03-02130BS	1	1,957	1,93	2,257					
				H06138SS	2	1,957	1,93	2,257					
				H02138SS	2	1,957	1,93	2,257					
				H02130BS	1	1,957	1,93	2,257					
Cable Bundle SIH-IP-15													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB	P04	197-012 22-35S-429	G 9254 F 22 M	H02-02130BS	2	2,4	2,39	2,7	SVM CB 313100	J05	SCC-3401-044	440 FS 110 M 22 03	356,4
211121			687-524 M 22 03	H08138SS	2	2,4	2,39	2,7			01B-22-35P		
				H04138SS	2	2,4	2,39	2,7					
				H03-02130BS	1	2,4	2,39	2,7					
				H06138SS	2	2,4	2,39	2,7					
				H02138SS	2	2,4	2,39	2,7					
				H02130BS	1	2,4	2,39	2,7					

PACS SIH SVM-CVB to WEU's											
Harness Bundle: SIH-SP-01											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132100 HPDECMC	P151	DCMA-37P	CA-42-37	TS-6CC28	2,691		2,991	SVM CB 313100	P08	SCC3401-044-01B-	380 FS 007 M 24 06
				TS-4CC28	2,691		2,991			06G-24-35S	
132100 HPDECMC	P153	DAMA-15P	CA-34-15	TS-6CC28	2,761		3,061				
				TS-3CC28	2,761		3,061				
132100 HPDECMC	P155	DBMA-25P	CA-69-25	T2S-1CC ^{Triax}	2,773		3,073				
132100 HPDECMC	P157	DBMA-25P	CA-69-25	T2S-1CC ^{Triax}	2,686		2,986				
				S-1CC28	2,686		2,986				
132100 HPDECMC	P178	DAMA-15P	CA-24-15	TS-5CC28	2,755		3,055				

Harness Bundle: SIH-SP-02											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132100 HPDECMC	P162	DCMA-37P	CA-43-37	TS-6CC28	2,855		3,155	SVM CB 313100	P07	SCC3401-044-01B-	380 FS 007 M 22 05
				TS-4CC28	2,855		3,155			06G-22-35S	
132100 HPDECMC	P164	DAMA-15P	CA-43-37	TS-6CC28	2,764		3,064				
				TS-3CC28	2,764		3,064				
132100 HPDECMC	P166	DBMA-25P	CA-68-25	T2S-1CC ^{Triax}	2,761		3,061				
132100 HPDECMC	P168	DBMA-25P	CA-68-25	T2S-1CC ^{Triax}	2,761						
132100 HPDECMC	P168	DBMA-25P	CA-68-25	S-1CC28	2,861		3,161				

Harness Bundle: SIH-SP-03											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132100 HPDECMC	P051	DCMA-37P	CA-34-37	TS-6CC28	2,554		2,854	SVM CB 313100	P02	SCC3401-044-01B-	380 FS 007 M 24 05
				TS-4CC28	2,554		2,854			06G-24-35S	
132100 HPDECMC	P053	DAMA-15P	CA-58-15	TS-6CC28	2,462		2,762				
				TS-3CC28	2,462		2,762				
132100 HPDECMC	P055	DBMA-25P	CA-68-25	T2S-1CC ^{Triax}	2,46		2,76				
132100 HPDECMC	P057	DBMA-25P	CA-68-25	T2S-1CC ^{Triax}	2,568		2,868				
				S-1CC28	2,568		2,868				
132100 HPDECMC	P078	DAMA-15P	CA-58-15	TS-5CC28	2,463		2,763				
				TS-4CC28	2,463		2,763				

Harness Bundle: SIH-SP-04											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132100 HPDECMC	P062	DCMA-37P	CA-42-37	TS-6CC28	2,454		2,754	SVM CB 313100	P01	SCC3401-044-01B-	380 FS 007 M 22 05
				TS-4CC28	2,454		2,754			06G-22-35S	
132100 HPDECMC	P064	DAMA-15P	CA-34-15	TS-6CC28	2,513		2,813				
				TS-3CC28	2,513		2,813				
132100 HPDECMC	P066	DBMA-25P	CA-69-25	T2S-1CC ^{Triax}	2,532		2,832				
132100 HPDECMC	P068	DBMA-25P	CA-69-25	T2S-1CC ^{Triax}	2,443		2,743				
				S-1CC28	2,443		2,743				

Harness Bundle: SIH-SP-05											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P01	DCMA-37S	CA-43-37	H03-020128C	2,701		3,001	SVM CB 313200	P04	SCC3401-044-01B-	380 FS 007 M 24 05
				H02-020128C	2,701		3,001			06G-24-35S	
132300 HPBOLC	P02	DCMA-37S	CA-43-37	H03-020128C	2,838		3,138				
				H02-020128C	2,838		3,138				
132300 HPBOLC	P03	DCMA-37P	CA-43-37	TS-7CC28	2,872		3,172				
				TS-6CC28	2,872		3,172				
				TS-3CC28	2,872		3,172				

Harness Bundle: SIH-SP-06											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P04	DCMA-37S	CA-42-37	H03-020128C	2,925		3,225	SVM CB 313200	P06	SCC3401-044-01B-	380 FS 007 M 24 05
				H02-020128C	2,925		3,225			06G-24-35S	
132300 HPBOLC	P05	DCMA-37S	CA-42-37	H03-020128C	2,778		3,078				
				H02-020128C	2,778		3,078				
132300 HPBOLC	P06	DCMA-37P	CA-42-37	TS-7CC28	2,939		3,239				
				TS-6CC28	2,939		3,239				
				TS-3CC28	2,939		3,239				

PACS SIH SVM-CVB to WEU's											
Harness Bundle: SIH-SP-07											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P07	DCMA-37S	CA-43-37	H03-020128C	2,755		3,055	SVM CB 313200	P08	SCC3401-044-01B-06G-24-35S	380 FS 007 M 24 05
				H02-020128C	2,755		3,055				
132300 HPBOLC	P08	DCMA-37S	CA-43-37	H03-020128C	2,894		3,194				
				H02-020128C	2,894		3,194				
132300 HPBOLC	P09	DCMA-37P	CA-43-37	TS-7CC28	2,929		3,229				
				TS-6CC28	2,929		3,229				
				TS-3CC28	2,929		3,229				
Harness Bundle: SIH-SP-08											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P10	DCMA-37S	CA-42-37	H03-020128C	2,919		3,219	SVM CB 313200	P02	SCC3401-044-01B-06G-24-35S	380 FS 007 M 24 05
				H02-020128C	2,919		3,219				
132300 HPBOLC	P11	DCMA-37S	CA-42-37	H03-020128C	2,745		3,045				
				H02-020128C	2,745		3,045				
132300 HPBOLC	P12	DCMA-37P	CA-42-37	TS-7CC28	2,912		3,212				
				TS-6CC28	2,912		3,212				
				TS-3CC28	2,912		3,212				
Harness Bundle: SIH-SP-09											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P13	DCMA-37S	CA-43-37	H03-020128C	2,904		3,204	SVM CB 313200	P01	SCC3401-044-01B-06G-22-35S	380 FS 007 M 22 05
				H02-020128C	2,904		3,204				
132300 HPBOLC	P14	DCMA-37P	CA-43-37	TS-7CC28	3,025		3,325				
				TS-6CC28	3,025		3,325				
				TS-3CC28	3,025		3,325				
Harness Bundle: SIH-SP-10											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P15	DCMA-37S	CA-42-37	H03-020128C	2,917		3,217	SVM CB 313200	P03	SCC3401-044-01B-06G-22-35S	380 FS 007 M 22 05
				H02-020128C	2,917		3,217				
132300 HPBOLC	P16	DCMA-37P	CA-42-37	TS-7CC28	3,033		3,333				
				TS-6CC28	3,033		3,333				
				TS-3CC28	3,033		3,333				
Harness Bundle: SIH-SP-11											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P17	HDMA-62P	CA-43-37	H02-020128C	3,056		3,356	SVM CB 313200	P05	SCC3401-044-01B-06G-22-35S	380 FS 007 M 22 05
Harness Bundle: SIH-SP-12											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
132300 HPBOLC	P18	HDMA-62P	CA-43-37	H02-020128C	2,943			SVM CB 313200	P07	SCC3401-044-01B-06G-22-35S	380 FS 007 M 22 05
Harness Bundle: SIH-SP-13											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
MEC	P13	DCMA-37P	CA-43-37	H02-020128C	2,826		3,126	SVM CB 313100	P06	SCC3401-044-01B-06G-24-35S	380 FS 007 M 24 05
				TS-4CC28	2,826		3,126				
MEC	P14	DCMA-37P	CA-43-37	H02-020128C	2,746		3,046				
				TS-4CC28	2,746		3,046				
MEC	P17	DCMA-37P	CA-43-37	H02-020128C	2,777		3,077				
				TS-6CC28	2,777		3,077				
				TS-4CC28	2,777		3,077				
MEC	P116	DEMA-9P	CA-52-09	TS-4CC28	3,207		3,507				
Harness Bundle: SIH-SP-14											

PACS SIH SVM-CVB to WEU's											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
MEC	P113	DCMA-37P	CA-42-37	H02-020128C	2,41		2,71	SVM CB 313100	P04	SCC3401-044-01B-	380 FS 007 M 24 06
				TS-4CC28	2,41		2,71			06G-24-35S	
MEC	P114	DCMA-37P	CA-42-37	H02-020128C	2,511		2,811				
				TS-4CC28	2,511		2,811				
MEC	P115	DAMA-15P	CA-34-15	H02-020128C	2,521		2,821				
				TS-4CC28	2,521		2,821				
MEC	P111	DBMA-25P	CA-69-25	H03-020128C	2,583		2,883				
				TS-4CC28	2,583		2,883				
				TS-2CC28	2,583		2,883				
MEC	P112	DBMA-25P	CA-69-25	TS-4CC28	2,583		2,883				
				TS-2CC28	2,583		2,883				
Harness Bundle: SIH-SP-15											
Designation				Cable Bundle				Destination			
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type
MEC	P11	DBMA-25P	CA-68-25	H03-020128C	2,668		2,968	SVM CB 313100	P05	SCC3401-044-01B-	380 FS 007 M 22 05
				TS-4CC28	2,668		2,968			06G-22-35S	
				TS-2CC28	2,668		2,968				
MEC	P12	DBMA-25P	CA-68-25	TS-4CC28	2,658		2,958				
				TS-2CC28	2,658		2,958				
MEC	P15	DAMA-15P	CA-58-15	H02-020128C	2,749		3,049				
				TS-4CC28	2,749		3,049				
MEC	P16	DEMA-9P	CA-51-09	TS-4CC28	2,636		2,936				
Remark:											

7 ANNEX 4: SPIRE INSTRUMENT HARNESS SIH

4 - 1 SPIRE Harness internal CVV

4 - 2 SPIRE Harness external CVV

4 - 3 SPIRE Harness SVM

l) CEU's to CVV I/F-CB

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
		1,415	121220 HSJFS	P05	MWDM-25S	507 T 196 M 25	
		1,415					
		1,461	121220 HSJFS	P06	MWDM-25S	507 T 196 M 25	
		1,461					
		1,413	121220 HSJFS	P09	MWDM-37P	507 T 196 M 37	
		1,413					
		1,413					
		1,474	121220 HSJFS	P10	MWDM-37P	507 T 196 M 37	
		1,474					
		1,474					
		1,474					

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
	1,32	1,482	121220 HSJFS	P01	MWDM-25S	507 T 196 M 25	477,6
	1,305	1,472	121220 HSJFS	P02	MWDM-25S	507 T 196 M 25	
	1,315	1,464	121220 HSJFS	P03	MWDM-25S	507 T 196 M 25	
	1,325	1,473	121220 HSJFS	P04	MWDM-25S	507 T 196 M 25	
	1,32	1,501	121220 HSJFS	P07	MWDM-25S	507 T 196 M 25	

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
		1,301	121210 HSJFP	P25	MWDM-37P	507 T 196 M 37	
		1,301					
		1,291					
		1,291	121210 HSJFP	P26	MWDM-37P	507 T 196 M 37	
		1,291					
		1,291					
		1,326	121210 HSJFP	P27	MWDM-37P	507 T 196 M 37	
		1,326					
		1,326					
		1,366	121210 HSJFP	P28	MWDM-37P	507 T 196 M 37	
		1,366					
		1,366					

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
	1,28	1,43	121210 HSJFP	P21	MWDM-25S	507 T 196 M 25	445
	1,3	1,423	121210 HSJFP	P22	MWDM-25S	507 T 196 M 25	
	1,3	1,415	121210 HSJFP	P23	MWDM-25S	507 T 196 M 25	
	1,28	1,416	121210 HSJFP	P24	MWDM-25S	507 T 196 M 25	

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
	1,2	1,33	121210 HSJFP	P17	MWDM-25S	507 T 196 M 25	430,3
	1,19	1,342	121210 HSJFP	P18	MWDM-25S	507 T 196 M 25	
	1,19	1,319	121210 HSJFP	P19	MWDM-25S	507 T 196 M 25	
	1,21	1,308	121210 HSJFP	P20	MWDM-25S	507 T 196 M 25	

Bundle			Destination				Bundle
(m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
	1,085	1,3	121210 HSJFP	P13	MWDM-25S	507 T 196 M 25	428,3
	1,085	1,307	121210 HSJFP	P14	MWDM-25S	507 T 196 M 25	

				H12-4032SS	3	1,02	1,13	1,32	121210 HSJFP	P15	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	1,011	1,13	1,311	121210 HSJFP	P16	MWDM-25S	507 T 196 M 25	
				H01038S0	24	0,065							
Harness Bundle SIH-CS-07													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J25	197-011P 24-35P-429	128/175_176_01_A	H12-4032SS	3	0,919	1,055	1,219	121210 HSJFP	P09	MWDM-25S	507 T 196 M 25	414,4
				H12-4032SS	3	0,915	1,045	1,215	121210 HSJFP	P10	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	0,916	1,045	1,216	121210 HSJFP	P11	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	0,92	1,035	1,22	121210 HSJFP	P12	MWDM-25S	507 T 196 M 25	
				H01038S0	24	0,065							
Harness Bundle SIH-CS-08													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J27	197-011P 24-35P-429	128/175_176_01_A	H12-4032SS	3	1,069	1,24	1,369	121210 HSJFP	P05	MWDM-25S	507 T 196 M 25	439,5
				H12-4032SS	3	1,055	1,26	1,355	121210 HSJFP	P06	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	1,051	1,26	1,351	121210 HSJFP	P07	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	1,057	1,235	1,357	121210 HSJFP	P08	MWDM-25S	507 T 196 M 25	
				H01038S0	24	0,065							
Harness Bundle SIH-CS-09													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J28	197-011P 24-35P-429	128/175_176_01_A	H12-4032SS	3	1,17	1,34	1,47	121210 HSJFP	P01	MWDM-25S	507 T 196 M 25	448,5
				H12-4032SS	3	1,182	1,31	1,482	121210 HSJFP	P02	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	1,144	1,29	1,444	121210 HSJFP	P03	MWDM-25S	507 T 196 M 25	
				H12-4032SS	3	1,156	1,285	1,456	121210 HSJFP	P04	MWDM-25S	507 T 196 M 25	
				H01038S0	12	0,065							
Harness Bundle SIH-CS-10													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J34	197-011P 24-35P-429	128/175_176_01_A	H04138SS	5	1,511	1,25	1,811	121100 HSFP	P19	MWDM-37P	507 T 196 M 37	380
				H04030B0	3	1,511	1,25	1,811					
				H04138SS	3	1,499	1,24	1,799	121100 HSFP	P21	MWDM-37P	507 T 196 M 37	
				H04030B0	2	1,499	1,24	1,799					
				H04138SS	6	1,524	1,28	1,824	121100 HSFP	P23	MWDM-37P	507 T 196 M 37	
				H04030B0	1	1,524	1,28	1,824					
				H01038S0	40	0,065							
Harness Bundle SIH-CS-11													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J30	197-011P 24-35P-429	128/175_176_01_A	H04138SS	1	1,519	1,7	1,819	121100 HSFP	P25	MWDM-37P	507 T 196 M 37	447,3
				H04130BS	3	1,519	1,7	1,819					
				H03138SS	2	1,519	1,7	1,819					
				H02138SS	3	1,519	1,7	1,819					
				H02130BS	1	1,519	1,7	1,819					
				H04138SS	2	1,503	1,67	1,803	121100 HSFP	P27	MWDM-37P	507 T 196 M 37	
				H02130BS	9	1,503	1,67	1,803					
				H02138SS	6	1,505	1,68	1,805	121100 HSFP	P29	MWDM-37P	507 T 196 M 37	
				H02138BS	3	1,505	1,68	1,805					
				H02130BS	2	1,505	1,68	1,805					
				H01038S0	64	0,065							
Harness Bundle SIH-CS-12													
Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV I/F-CB 210000	J33	197-011P 24-35P-429	128/175_176_01_A	H04138SS	5	1,382	1,58	1,682	121100 HSFP	P20	MWDM-37P	507 T 196 M 37	373,5
				H04030B0	3	1,382	1,58	1,682					
				H04138SS	3	1,369	1,57	1,669	121100 HSFP	P22	MWDM-37P	507 T 196 M 37	
				H04030B0	2	1,369	1,57	1,669					
				H04138SS	6	1,395	1,6	1,695	121100 HSFP	P24	MWDM-37P	507 T 196 M 37	
				H04030B0	1	1,395	1,6	1,695					
				H01038S0	40	0,065							
Harness Bundle SIH-CS-13													

Designation				Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth (m)	as built lth(m)	CATIA lth (m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
CVV IF-CB 210000	J29	197-011P 24-35P-429	128/175_176_01_A	H04138SS	1	1,601	1,74	1,901	121100 HSFPU	P26	MWDM-37P	507 T 196 M 37	456,2
				H04130BS	3	1,601	1,74	1,901					
				H03138BS	2	1,601	1,74	1,901					
				H02138SS	3	1,601	1,74	1,901					
				H02130BS	1	1,601	1,74	1,901					
				H04138SS	2	1,585	1,71	1,885	121100 HSFPU	P28	MWDM-37P	507 T 196 M 37	
				H02130BS	9	1,585	1,71	1,885					
				H02138SS	6	1,586	1,73	1,886	121100 HSFPU	P30	MWDM-37P	507 T 196 M 37	
				H02138BS	3	1,586	1,73	1,886					
				H02130BS	2	1,586	1,73	1,886					
				H01038S0	64	0,065							

SPIRE SIH (external) SVM-CB to CVV I/F-CB														
Harness Bundle SIH-IS-01														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P32	197-012 24-35S-429	G9254 F 24 M	H02138BS	26	2,455		2,755	SVM CB 312200	J06	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H02138SS	24	2,455		2,755			01B-03-24-35P			
				H01030B0	6	2,455		2,755						
Harness Bundle SIH-IS-02														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P31	197-012 24-35S-429	G9254 F 24 M	H02138SS	46	2,189		2,489	SVM CB 312200	J05	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	2	2,189		2,489			01B-03-24-35P			
Harness Bundle SIH-IS-03														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P26	197-012 24-35S-429	G9254 F 24 M	H02138BS	50	2,136		2,436	SVM CB 312100	J04	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	6	2,136		2,436			01B-03-24-35P			
Harness Bundle SIH-IS-04														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P22	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	3,224		3,524	SVM CB 312100	J03	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	3	3,224		3,524			01B-03-24-35P			
Harness Bundle SIH-IS-05														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P23	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	3,313		3,613	SVM CB 312100	J02	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	4	3,313		3,613			01B-03-24-35P			
Harness Bundle SIH-IS-06														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P24	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	2,816		3,116	SVM CB 312200	J03	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	4	2,816		3,116			01B-03-24-35P			
Harness Bundle SIH-IS-07														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P25	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	2,393		2,693	SVM CB 312200	J04	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	4	2,393		2,693			01B-03-24-35P			
Harness Bundle SIH-IS-08														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P27	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	1,927		2,227	SVM CB 312200	J01	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	4	1,927		2,227			01B-03-24-35P			
Harness Bundle SIH-IS-09														

SPIRE SIH (external) SVM-CB to CVV I/F-CB														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P28	197-012 24-35S-429	G9254 F 24 M	H02138SS	48	1,832		2,132	SVM CB 312200	J02	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H01030B0	4	1,832		2,132			01B-03-24-35P			
Harness Bundle SIH-IS-10														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P34	197-012 24-35S-429	G9254 F 24 M	H04138SS	14	2,024		2,324	SVM CB 312300	J06	SCC-3401-044	39	440 FS 110 M 24 32	
			687-524 M 24 02	H04030B0	5	2,024		2,324			01B-03-24-35P			
				H04138BS	1	2,024		2,324						
Harness Bundle SIH-IS-11														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P30	197-012 24-35S-429	G9254 F 24 M	H04138SS	3	1,843		2,143	SVM CB 312300	J04	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H03138BS	2	1,843		2,143			01B-03-24-35P			
				H02138SS	9	1,843		2,143						
				H02130BS	12	1,843		2,143						
				H04130BS	3	1,843		2,143						
				H02138BS	3	1,843		2,143						
Harness Bundle SIH-IS-12														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P33	197-012 24-35S-429	G9254 F 24 M	H04138SS	14	1,896		2,196	SVM CB 312300	J05	SCC-3401-044	39	440 FS 110 M 24 32	
			687-524 M 24 02	H04030B0	5	1,896		2,196			01B-03-24-35P			
				H04138BS	1	1,896		2,196						
Harness Bundle SIH-IS-13														
Designation				Cable Bundle					Destination				Bundle	
Unit	Con.ID	Con.-Type	Backs.-Type	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth(m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	weight(g)	Backs.-Type	weight(g)
CVV I/F-CB 211121	P29	197-012 24-35S-429	G9254 F 24 M	H04138SS	3	1,748		2,048	SVM CB 312300	J03	SCC-3401-044	39	440 FS 110 M 24 03	
			687-524 M 24 03	H03138BS	2	1,748		2,048			01B-03-24-35P			
				H02138SS	9	1,748		2,048						
				H02130BS	12	1,748		2,048						
				H04130BS	3	1,748		2,048						
				H02138BS	3	1,748		2,048						

SPIRE SIH SVM-CVB to WEU's														
Harness Bundle SIH-SS-01														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P27	DCMA-37S	CA-43-37	28	TS-2CC28	12	0,915		1,215	SVM CB 312200	P06	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	1	0,915		1,215			06G 24-35S		
122300 HSDCU	P28	DCMA-37S	CA-43-37	28	TS-2CC28	12	1,018		1,318					
					S-1CC26	1	1,018		1,318					
122300 HSDCU	P31	DCMA-37P	CA-43-37	28	TS-2CC28	13	0,945		1,245					
					S-1CC26	3	0,945		1,245					
122300 HSDCU	P32	DCMA-37P	CA-43-37	28	TS-2CC28	13	0,931		1,231					
					S-1CC26	3	0,931		1,231					
Harness Bundle SIH-SS-02														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P23	DCMA-37S	CA-43-37	28	TS-2CC28	12	0,903		1,203	SVM CB 312200	P05	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	1	0,903		1,203			06G 24-35S		
122300 HSDCU	P24	DCMA-37S	CA-43-37	28	TS-2CC28	12	1,006		1,306					
					S-1CC26	1	1,006		1,306					
122300 HSDCU	P25	DCMA-37S	CA-43-37	28	TS-2CC28	12	0,906		1,206					
					S-1CC26	1	0,906		1,206					
122300 HSDCU	P26	DCMA-37S	CA-43-37	28	TS-2CC28	12	1,006		1,306					
					S-1CC26	1	1,006		1,306					
Harness Bundle SIH-SS-03														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P29	HDMA-78P	CA-35-50	30	TS-2CC28	25	1,247		1,547	SVM CB 312100	P04	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	4	1,247		1,547			06G 24-35S		
122300 HSDCU	P30	HDMA-78P	CA-34-50	30	TS-2CC28	25	1,248		1,548					
					S-1CC26	4	1,248		1,548					
Harness Bundle SIH-SS-04														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P20	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,349		1,649	SVM CB 312100	P03	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	1,349		1,649			06G 24-35S		
122300 HSDCU	P21	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,256		1,556					
					S-1CC26	2	1,256		1,556					
122300 HSDCU	P22	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,348		1,648					
					S-1CC26	2	1,348		1,648					
Harness Bundle SIH-SS-05														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P17	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,337		1,637	SVM CB 312100	P02	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	1,337		1,637			06G 24-35S		
122300 HSDCU	P18	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,428		1,728					
					S-1CC26	2	1,428		1,728					
122300 HSDCU	P19	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,341		1,641					
					S-1CC26	2	1,341		1,641					
Harness Bundle SIH-SS-06														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P14	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,965		1,265	SVM CB 312200	P03	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	0,965		1,265			06G 24-35S		
122300 HSDCU	P15	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,878		1,178					
					S-1CC26	2	0,878		1,178					
122300 HSDCU	P16	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,966		1,266					
					S-1CC26	2	0,966		1,266					
Harness Bundle SIH-SS-07														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P11	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,851		1,151	SVM CB 312200	P04	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	0,851		1,151			06G 24-35S		
122300 HSDCU	P12	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,942		1,242					
					S-1CC26	2	0,942		1,242					
122300 HSDCU	P13	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,856		1,156					
					S-1CC26	2	0,856		1,156					
Harness Bundle SIH-SS-08														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P08	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,072		1,372	SVM CB 312200	P01	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	1,072		1,372			06G 24-35S		

SPIRE SIH SVM-CVB to WEU's														
122300 HSDCU	P09	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,979		1,279					
					S-1CC26	2	0,979		1,279					
122300 HSDCU	P10	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,07		1,37					
					S-1CC26	2	1,07		1,37					
Harness Bundle SIH-SS-09														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122300 HSDCU	P05	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,955		1,255	SVM CB 312200	P02	3401 044 01B	380 FS 007 M 24 05	38
					S-1CC26	2	0,955		1,255			06G 24-35S		
122300 HSDCU	P06	DDMA-50S	CA-34-50	30	TS-2CC28	16	1,045		1,345					
					S-1CC26	2	1,045		1,345					
122300 HSDCU	P07	DDMA-50S	CA-34-50	30	TS-2CC28	16	0,952		1,252					
					S-1CC26	2	0,952		1,252					
Harness Bundle SIH-SS-10														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122200 HSFCU	P11	DBMA-25P	CA-68-25	19	TS-4CC28	1	1,465		1,765	SVM CB 312300	P06	3401 044 01B	380 FS 007 M 24 04	38
					T-4CC28	5	1,465		1,765			06G 24-35S		
122200 HSFCU	P23	DDMA-50P	CA-36-50	30	TS-4CC28	11	1,484		1,784					
					S-1CC26	1	1,484		1,784					
122200 HSFCU	P25	DAMA-15P	CA-33-15	16	TS-4CC28	3	1,576		1,876					
Harness Bundle SIH-SS-11														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122200 HSFCU	P13	DEMA-9P	CA-04-09	13	TS-2CC28	1	1,721		2,021	SVM CB 312300	P04	3401 044 01B	380 FS 007 M 24 05	38
122200 HSFCU	P17	DCMA-37P	CA-43-37	28	TS-2CC28	11	1,561		1,861			06G 24-35S		
					S-1CC26	1	1,561		1,861					
122200 HSFCU	P19	DCMA-37P	CA-43-37	28	TS-2CC28	3	1,558		1,858					
					TS-3CC28	2	1,558		1,858					
					TS-4CC28	2	1,558		1,858					
122200 HSFCU	P21	DAMA-15P	CA-01-15	16	TS-4CC28	3	1,747		2,047					
122200 HSFCU	P29	DCMA-37S	CA-43-37	28	TS-2CC28	7	1,682		1,982					
Harness Bundle SIH-SS-12														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122200 HSFCU	P12	DBMA-25P	CA-68-25	19	TS-4CC28	1	1,394		1,694	SVM CB 312300	P05	3401 044 01B	380 FS 007 M 24 04	38
					T-4CC28	5	1,394		1,694			06G 24-35S		
122200 HSFCU	P24	DDMA-50P	CA-36-50	30	TS-4CC28	11	1,417		1,717					
					S-1CC26	1	1,417		1,717					
122200 HSFCU	P26	DAMA-15P	CA-58-15	16	TS-4CC28	3	1,499		1,799				55 T 001 M 4 03	
Harness Bundle SIH-SS-13														
Designation					Cable Bundle					Destination				Bundle
Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)	Cabl.-Type	No. of Cable	CATIA lth(m)	as built lth (m)	CATIA lth(m) +0,3m	Unit	Con.ID	Con.-Type	Backs.-Type	weight(g)
122200 HSFCU	P14	DEMA-9P	CA-04-09	13	TS-2CC28	1	1,761		2,061	SVM CB 312300	P03	3401 044 01B	380 FS 007 M 24 05	38
122200 HSFCU	P18	DCMA-37P	CA-43-37	28	TS-2CC28	11	1,596		1,896			06G 24-35S		
					S-1CC26	1	1,596		1,896					
122200 HSFCU	P20	DCMA-37P	CA-43-37	28	TS-2CC28	3	1,715		2,015					
					TS-3CC28	2	1,715		2,015					
					TS-4CC28	2	1,715		2,015					
122200 HSFCU	P22	DAMA-15P	CA-01-15	16	TS-4CC28	3	1,781		2,081					
122200 HSFCU	P30	DCMA-37S	CA-43-37	28	TS-2CC28	7	1,715		2,015					
Remark:														
All Sub-HD-Connectors are type SCC 3401 01														

END OF DOCUMENT

	Name	Dep./Comp.		Name	Dep./Comp.
	Alberti von Mathias Dr.	AOE22		Schmidt Rudolf	FAE22
	Barlage Bernhard	AED11		Schweickert Gunn	AOE22
X	Bayer Thomas	AOA52		Sonn Nico	AOE51
	Brune Holger	AOA55	X	Steininger Eric	AED44
	Fehringer Alexander	AOE13	X	Stritter Rene	AED11
	Fricke Wolfgang Dr.	AED 63		Thörmer Klaus-Horst Dr.	OTN/AED65
	Geiger Hermann	AOA52		Wagner Klaus	AOE22
	Gerner Willi	AED11	X	Wietbrock Walter	AET12
X	Grasl Andreas	OTN/AOA54		Wöhler Hans	AOE22
	Grasshoff Brigitte	AET12		Wössner Ulrich	ASE442
X	Hauser Armin	AOE22			
	Hendry David	Terma Resid.			
	Hengstler Reinhold	AOA 5			
	Hinger Jürgen	AOE22	X	Alcatel	ASP
	Hofmann Rolf	ASE442	X	ESA/ESTEC	ESA
X	Hohn Rüdiger	AED65		Instruments:	
	Huber Johann	AOA52		MPE (PACS)	MPE
X	Hund Walter	ASE442		RAL (SPIRE)	RAL
X	Idler Siegmund	AED432		SRON (HIFI)	SRON
	Ilsen Stijn	Terma Resid.		Subcontractors:	
	Ivány von András	FAE22		Air Liquide, Space Department	AIR
X	Jahn Gerd Dr.	AOE22		Air Liquide, Space Department	AIRS
X	Kalde Clemens	APE3		Air Liquide, Orbital System	AIRT
X	Kameter Rudolf	OTN/AOA54		Alcatel Bell Space	ABSP
	Kettner Bernhard	AET42		Astrium Sub-Subsyst. & Equipment	ASSE
X	Knoblauch August	AET32		Austrian Aerospace	AAE
	Koelle Markus	AOA53		Austrian Aerospace	AAEM
X	Kroeker Jürgen	AED65		APCO Technologies S. A.	APCO
	Kunz Oliver Dr.	AOE22		Bieri Engineering B. V.	BIER
	Lamprecht Ernst	OTN/ASI21		BOC Edwards	BOCE
X	Lang Jürgen	ASE442		Dutch Space Solar Arrays	DSSA
	Langenstein Rolf	AED15		EADS CASA Espacio	CASA
	Langfermann Michael	AOA51		EADS CASA Espacio	ECAS
	Mack Paul	OTN/AOA54		EADS Space Transportation	ASIP
	Müller Jörg	AOA52		Eurocopter	ECD
	Müller Ralf	FAE22		European Test Services	ETS
X	Pastorino Michel	ASPI Resid.		HTS AG Zürich	HTSZ
	Peltz Heinz-Willi	AOE13		Linde	LIND
	Pietroboni Karin	AED65		Patria New Technologies Oy	PANT
	Platzer Wilhelm	AED22		Phoenix, Volkmarsen	PHOE
	Rebholz Reinhold	AOA51		Prototech AS	PROT
	Reichle Konrad	AOA52		QMC Instruments Ltd.	QMC
	Reuß Friedhelm	AED62		Rembe, Brilon	REMB
	Rühe Wolfgang	AED65		Rosemount Aerospace GmbH	ROSE
	Runge Axel	OTN/AOA54		RYMSA, Radiación y Microondas	RYM
	Sachsse Bernt	AED21		SENER Ingenieria SA	SEN

	Name	Dep./Comp.		Name	Dep./Comp.
X	Schink Dietmar	AED44		Stöhr, Königsbrunn	STOE
X	Schlosser Christian	OTN/AOA54		Terma A/S, Herlev	TER