	200								CATION APPROVAL		Page	1
	SCC	C	component Title: O	ptical Fibre	Cable	Assembli	ies ba	ased on	type mini AVIM		Appl. I	No.
		E	Executive Member: ESA						Date: 13/04/2021	1	355/	4
Components (includin	g series and familie	es) su	bmitted for Qualificatior	n Approval								1
ESCC COMPONENT. NO.	VARIANTS		RANGE OF COMPONENTS			BASED ON		D			MPONEI SIMILAR	
3420/001	01		Optical fiber cable assembly SM PM fiber, acrylate coated, PEEK loose tube			PM fiber 9/125/250 at 1550nm		t	342000101-01P- M8P-M8P-6000			
3420/001 02			Mating Adapter with Square flange			5219572			342000102			
Component Ma	anufacturer	2	Location of M	anufacturir	ng Plan	 t	3	ES	CC Specification used for		ince of	4
Diamond SA		-	Via dei Patrizi 5		ig i iun		Ů	-	Qualification testing			<u> </u>
			CH-6616 Losone						Generic: 3420			
								Issue Detail	1 /s: 3420/001			
					1			Issue	4			
Qualification Extensio STS0333 Laboratory,		e and	date:	5	Origi	nal qualifi	catio	n approv	val			6
erecede Laberatory,					Date	:			30/10/2018			
Date: 01/03/20						ficate Ref			355			
PID changes since sta	art of qualification		7	Current		erified by	E		of Executive Representa	tive		8
None 🗆				DefNer				Ageno	су			
	Minor* (* Details not published, provided in (* Details not published, provided in Maior* (* confidential arrays 0) (* Superson 0) (* Superson 0)											
Major* Confidential annex 2.)								13/04	/2021			
Current Manufacturing	g facilities surveyed	by:										9
	ESA			13/12/20)17							5
(Name of Executive R	esponsible Agency	')		(Date)					_			
ESCC-AUD-DIAM201	7-1											
Report Re	ference											
Satisfactory:	Yes 🖂		No 🗆 Ex	plain	Findinc	Is from re	port v	were ado	dressed			
Summary of procurem	nent or equivalent to		sults during current vali				10	- <u>r</u>				
this application (those	to ESCC listed firs	t)										11
See annex								DP <i>A</i> avai	ure analysis, Yes] No	X	
									pply data) Nos. and purpose:			

	API	PLICATION FOR ESCC QUAI	LIFICATION APPROVAL	Page 2			
ESCC	Component Title:	Optical Fibre Cable Assembli	es based on type mini AVIM	Appl. No.			
	Executive Member:	ESA	Date: 13/04/2021	355A			
The undersigned hereby certifies on behalf of the ESCC Executive, that the above information is correct; that the appropriate documentation has been evaluated; that full compliance to all ESCC requirements is evidence except as stated in box 13; that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status to be given to the component(s) listed herein.							
Date:				ally signed by Anastasia Pesce 2021.05.28 13:47:59 +02'00'			
			Date: 2021.05.28 13:47: (Signature of the Executive C				
Continuation of Boxes above: (Only non-co	onfidential comments)			12			

			APPLICATION FOR ESCC QUALIFICAT	ION APPROVAL	Page 3
-	ESCC	Component Title			Appl. No.
	LJUU	Executive Memb	per: ESA	Date: 13/04/2021	
				Date. 13/04/2021	355A 13
	ance to ESCC requirements:	(r	
No.:	Specification		Paragraph	Non compliance	9
Additional t noncomplia	asks required to achieve full cor	mpliance for ESCC	C qualification or rationale for acceptability of	of	14
noncomplie	ande.				<u> </u>
	Manager Disposition				15
Application		No 🗆			
Action / Re	marks:				
				Digitally s	ion of but
				SP 201 Britta Sch	ade
Date:				Date: 202 08:19:52 -	
				B. Schade: Head of the Product A and Safety Departme	

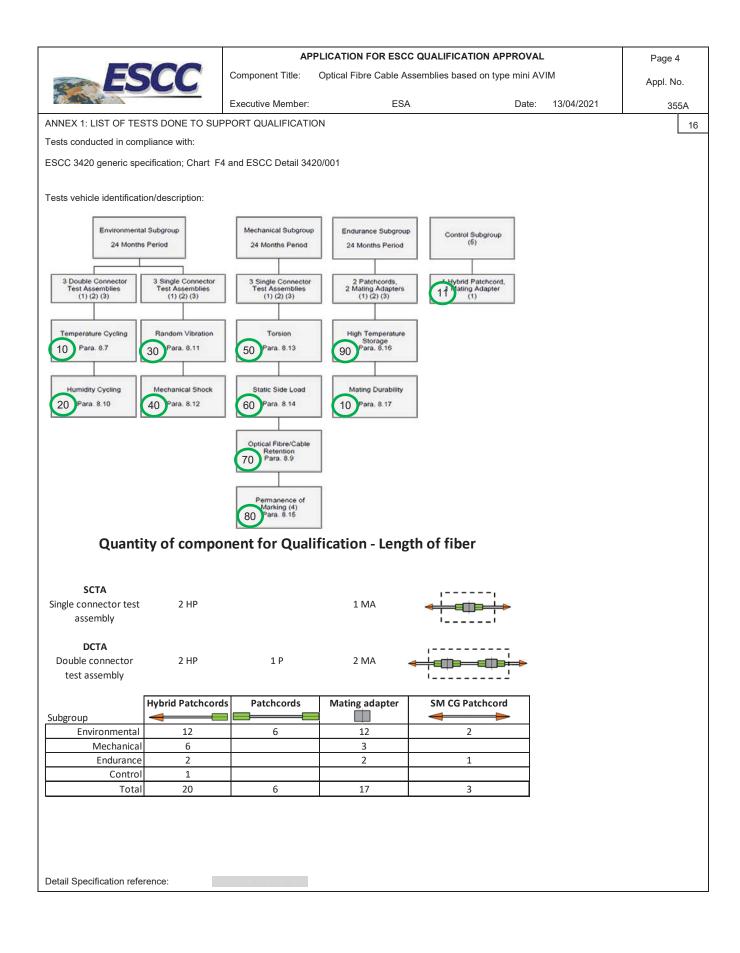


Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental Subgroup 24 Month Period	Temperature Cycling	\boxtimes	IEC 61300-2-22				
	Humidity Cycling	\boxtimes	IEC 61300-2-46				
nviron Subg Montl	Random Vibration	\boxtimes	IEC 60068-2-64				
24	Mechanical Shock	\boxtimes	IEC 60068-2-27				
dno	Torsion	\boxtimes	IEC 61300-2-5				
Subgi Is Perio	Static Slide Load	\boxtimes	IEC 61300-2-42				
Mechanical Subgroup 24 Months Period	Optical Fibre/Cable Retention	\boxtimes	IEC 61300-2-4				
Mech 24	Permanence of Marking		ESCC Basic Specification No. 24800				
ndurance tubgroup 4 Months Period	High Temperature Storage	\boxtimes	IEC 61300-2-18				
Endurance Subgroup 24 Months Period	Mating Durability	\boxtimes	IEC 61300-2-2				
	Insertion Loss	\boxtimes	IEC 61300-3-4				
	Return Loss	\boxtimes	IEC 61300-3-6				
al Tests	Rapid depressurization	\boxtimes	MIL-STD-810G, method 500.5				
Additional Tests	Dust	\boxtimes	IEC-61300-2-27 IEC- 60068-2-13				
4	Radiation	\boxtimes	ESCC22900				Only Var 1, Var 2,3,4, to be conducted
	Polarisation extinction ratio	\boxtimes	Diamond SA				

_		A	PPLICATION FOR ESC	C QUALIFICATION APPROVAL	Page 7					
E	SCC	Component Title:	Optical Fibre Cable A	ssemblies based on type mini AVIM	Appl. No.					
		Executive Member	: ESA	Date: 13/04/2021	355A					
					000,1					
	NOTES ON THE C	OMPLETION OF T	HE APPLICATION FOR	M FOR ESCC QUALIFICATION APPROVAL						
ENTRIES										
Form Heading		he title of the compo number and the suf		il specification or the name of the series or family;	— the entering					
Box 1	by using the ESC	shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on';under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar enter a cross.								
Box 2 and 3	Manufacturer's na	ame and location of p	plant where the compon	ents were manufactured and tested.						
Box 4	Generic and deta	il specifications usec	d during qualification pro	gram.						
Box 5	Reference to test	report(s) submitted	in support of application							
Box 6	Enter details to id	entify the PID that w	as applicable at the time	e the qualification lot was manufactured.						
Box 7			ion lot manufacture, ade shall be clearly marked.	quate details of such evolution shall be provided to	ogether with					
Box 8	The box serves to occurrence.	identify the current	PID and the Executive I	Representative that has verified it together with the	e date of this					
Box 9	in manufacturing	the components are	as described in the PID	ant to confirm that the practices, procedures, mate . This survey shall be carried out in accordance w findings shall be recorded.						
Box 10	has been perform not been carried of alternative data a be made to the re	Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during the Evaluation and/or Qualification Phase.								
Box 11	Enter the name o	f the Executive Coor	dinator and the signatur	e.						
Box 12				from 1 through 10. Identify box affected and refere if several Boxes have to be expanded.	nce the Box 12					
Box 13	Fill table as reque	ested.								
Box 14	Fill in any additior	nal tasks required to	achieve full compliance							
Box 15				ial conditions or restrictions, modifications of the C learly in Box 15, signed by the ESA Representativ						
Box 16	Fill in Table as re-	quested.								
Box 17	Confidential detai	ls of PID changes sh	nall be provided.							
Box 18			o specification(s) and pa numbered. If relevant s	aragraph(s). To simplify reference in Box 18 each tate 'None'						
Box 19				presentative to bring the submitted data to a stand re reason(s) to accept the nonconformance.	lard likely to be					
Box 20	Additional Comm	ents								