



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

PRYSMIAN CABLES AND SYSTEMS USA, LLC

710 INDUSTRIAL DRIVE
LEXINGTON, SOUTH CAROLINA 29072, U.S.A.

Testing Laboratory TL-420

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date August 1, 2025
Effective Date October 10, 2023



A handwritten signature in black ink, reading "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

PRYSMIAN CABLES AND SYSTEMS USA, LLC

www.prysmiangroup.com

Contact Name Ilker Adak

Contact Phone +1 803 862 7644

Accredited to ISO/IEC 17025:2017

Effective Date October 10, 2023

Types of Tests and/or Properties Measured	Reference Standard					Test Method		
	GR-20 Issue 2	GR-20 Issue 3	GR-20 Issue 4	GR-409 Issue 1	GR-409 Issue 2	TP-20	TP-409	FOTP / ASTM
Performance and Safety Testing of Fiber Optic Cables:								
Buffer Structure Optical Fiber and Buffer Tube Dimensions					5.2.1			
Ribbon Structure	5.1.1	5.2.1	5.2.1			5.1.1	5.1.1	
Ribbon Dimensions	5.1.2	5.2.2	5.2.2			5.1.2	5.1.2	FOTP 123
Ribbon Separation - Traditional	5.2.2	5.3.1	5.3.1			5.2.2	5.2.2	
Ribbon Separation - Unitized		5.3.2	5.3.2					
Ribbon Strippability	5.2.4	5.3.3	5.3.3			5.2.4	5.2.4	FOTP 178
Ribbon Residual Twist - Flatness	5.2.3	5.3.4	5.3.4			5.2.3	5.2.3	FOTP-131
Ribbon Twist Robustness	5.2.1	5.3.5	5.3.5			5.2.1	5.2.1	FOTP-141
Splittable Ribbon						5.2.5		
Splittable Ribbon Splicing, Single-Mode Ribbonized Fiber Fusibility			5.4.2			5.2.6		
Splittable Ribbon (splitting tools)						5.2.7		
Cable Construction Continuity of Metallic Members								
	6.1.1	6.1.1	6.1.1			6.1.1		ASTM D 4566
Cable Core	6.1.2	6.1.2	6.1.2	6.1.1	6.1.1	6.1.2	6.1.1	
Antibuckling and Strength Member Splicing	6.1.3	6.1.3	6.1.3			6.1.3		
Rated Pulling Tension	6.1.4	6.1.4	6.1.4	6.3.6	6.5.7.4	6.1.4	6.3.6	
Number of Fibers per Cable				6.1.2	6.1.2		6.1.2	
Spare Fibers	6.1.5	6.1.5	6.1.5			6.1.5		
Fibers per Unit/Binder (Units)	6.1.6	6.1.6	6.1.6	6.1.3	6.1.3	6.1.6	6.1.3	
Unit Stranding	6.1.7	6.1.7	6.1.7			6.1.7		
Spliced and Defective Fibers	6.1.8	6.1.8	6.1.8			6.1.8		
RipCORDS (Sheath Slitting Cord) (Sheath Removal)	6.1.9	6.1.9	6.1.9	6.1.4	6.1.4	6.1.9	6.1.4	
Cable Marking, Packing and Shipping Cable Marking	6.2.1	6.2.1	6.2.1	6.2.1	6.2.1	6.2.1	6.2.1	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Types of Tests and/or Properties Measured	Reference Standard					Test Method		
	GR-20 Issue 2	GR-20 Issue 3	GR-20 Issue 4	GR-409 Issue 1	GR-409 Issue 2	TP-20	TP-409	FOTP / ASTM
Cable Remarking	6.2.2	6.2.2	6.2.2	6.2.2	6.2.2	6.2.2	6.2.2	
Identification Marking	6.2.3	6.2.3	6.2.3	6.2.3	6.2.3	6.2.3	6.2.3	SR-2014
Cable Length and Length Markings	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	
Cable Length and Length Markings	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	6.2.4	
Fiber and Unit Identification	6.2.5	6.2.5	6.2.5	6.2.5	6.2.5	6.2.5	6.2.5	TIA/EIA 598 and 359A
Packing (Packaging)	6.2.6	6.2.6	6.2.6	6.2.6	6.2.6	6.2.6	6.2.6	
Shipping	6.2.7	6.2.7	6.2.7	6.2.7	6.2.7	6.2.7	6.2.7	
Cable Reel	6.2.8	6.2.8	6.2.8			6.2.8		
Filling Compound Material	6.3.1					6.3.1 (except R6-34)		ASTM D 3895 and ASTM G 21
Water-Blocking material	6.3.2 (except R6-38)	6.3.1 (except R6-34)	6.3.1 (except R6-26)			6.3.2 (except R6-38)		ASTM D 3895 and ASTM G 21
Filling and Water-Blocking Material Flow (Drip), (Seepage)	6.3.3	6.3.3	6.3.2			6.3.3		FOTP-81
Cable Material Compatibility (Fiber Strip- ability)	6.3.4	6.3.4	6.3.3			6.3.4		
Cable Material Compatibility (Ribbon Strip-ability)	6.3.4	6.3.4	6.3.3			6.3.4		
Cable Material Compatibility (Buffer Tube Bending)	6.3.4	6.3.4	6.3.3			6.3.4		
Cable Material Compatibility (Delamination)		6.3.4	6.3.3					
Jacket Material (Cable Outer Jacket Shrinkage) (Jacket Shrinkback)		6.4.1	6.4.1	6.5.3	6.4.3		6.5.3	FOTP-86
Cable Outer Diameter and Jacket Thickness	6.4.2	6.4.2	6.4.2	6.5.4	6.4.4	6.4.2	6.5.4	ASTM D 4565
Mechanical Requirements								
Optical Measurement Equipment	6.5.1	6.5.1	6.5.1	6.3.1	6.5.1	6.5.1	6.3.1	FOTP-8/ FOTP-20
Cable Testing	6.5.2	6.5.2	6.5.2	6.3.2	6.5.2	6.5.2	6.3.2	
Low and High Temperature Cable Bend	6.5.3	6.5.3	6.5.3	6.3.3	6.5.3	6.5.3	6.3.3	FOTP-37
Impact Resistance	6.5.4	6.5.4	6.5.4	6.3.4	6.5.4	6.5.4	6.3.4	FOTP-25
Cold Impact Test					6.5.5			FOTP-25
Compressive Strength (Crush)	6.5.5	6.5.5	6.5.5	6.3.5	6.5.6	6.5.5	6.3.5	FOTP-41
Tensile Strength of Cable	6.5.6	6.5.6	6.5.6	6.3.6	6.5.7	6.5.6	6.3.6	FOTP-33, FOTP-38
Cable Twist	6.5.7	6.5.7	6.5.7	6.3.7	6.5.8	6.5.7	6.3.7	FOTP-85
Cable Cyclic Flexing	6.5.8	6.5.8	6.5.8	6.3.8	6.5.9	6.5.8	6.3.8	FOTP-104
Cable Termination	6.5.9	6.5.9	6.5.9			6.5.9		FOTP-8
Cable/Fiber Coupling (Gel-Free Ribbon Pullout Force) (Dry Ribbon CLT)		6.5.10	6.5.10			6.8.5		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Types of Tests and/or Properties Measured	Reference Standard					Test Method		
	GR-20 Issue 2	GR-20 Issue 3	GR-20 Issue 4	GR-409 Issue 1	GR-409 Issue 2	TP-20	TP-409	FOTP / ASTM
Mid-Span Jacket Entry of Stranded Cables (Mid-Span Test)		6.5.11	6.5.11					
Environmental Requirements					6.9			
Conditional Weatherized Indoor Cable Requirements								
Optical Measurement Equipment	6.6.1	6.6.1	6.6.1		6.6.1	6.6.1		FOTP-8/ FOTP-20
Thermal Environment for Weatherized Indoor Optical Cable					6.9.3			
Weatherized Indoor Cable Temperature Cycling					6.9.4			FOTP-3
In-Service Cable Performance - Environmental Testing	6.6.2	6.6.2	6.6.2					
Temperature Cycling	6.6.3	6.6.3	6.6.3	6.6.1	6.6.3	6.6.3	6.6.1	FOTP-3, IEEE 1222 Annex E
Weatherized Indoor Cable Aging Requirement					6.9.5			FOTP-3
In-Service Cable Performance - Environmental Testing	6.6.2	6.6.2	6.6.2					
Temperature Cycling	6.6.3	6.6.3	6.6.3	6.6.1	6.6.3	6.6.3	6.6.1	FOTP-3, IEEE 1222 Annex E
Weatherized Indoor Cable Aging Requirement					6.9.5			FOTP-3
Cable Aging	6.6.4	6.6.4	6.6.4	6.6.2		6.6.4	6.6.2	FOTP-3, IEEE 1222 Annex F
Cable Freezing (Cable Immersion)	6.6.5	6.6.5	6.6.5			6.6.5		FOTP-98
Freezing Water Inside of Buffer Tube (Mid- Span Freeze/Thaw - Dry Ribbon CLT)		6.6.5	6.6.5			6.8.4		
Color Permanence and Marking Durability	6.6.6	6.6.6	6.6.6	6.6.3	6.6.4	6.6.6	6.6.3	TIA/EIA 598
Cable Marking (Water Test - Zeatherized)	6.2.1	6.2.1	6.2.1		6.9.6	6.2.1		
Water Penetration (Water Ingress)	6.6.7	6.6.7	6.6.7		6.9.2	6.6.7		FOTP-82
Wasp Spray Exposure	6.6.8	6.6.8	6.6.8		6.9.7	6.6.8 (except R6-81)		
Cable Optical Requirements								
Attenuation Coefficient	6.8.1	6.8.1	6.8.1		6.8.1	6.8.1		FOTP-78, FOTP-61
Point Discontinuities (Attenuation Uniformity)	6.8.2	6.8.3	6.8.3			6.8.2		FOTP-59/ FOTP-8
1625-nm Cable Performance Requirements		6.8.4	6.8.4					ICEA 640, Annex E
Additional Fiber Optic Cable Type Criteria		6.9	6.9					