

**HOMOLOGATION REPORT
No. 907.24**

**ADSS Optical fibre cable
288FO**

**Specification:
TC09376**

SAP Code: 60113026

November, 2024

Slatina, R&D

AUTHOR:
Catalin Mateita
R&D Technician

APPROVED BY:
Florin Chirita
R&D Manager

Qualification tests list

Content	Standards (if applicable)	Result
Dimensional Measurement	SR EN 60811-1-100	Comply
Tensile Performance Test	IEC 60794-1-2 E1	Comply
Impact Test	IEC 60794-1-2 E4	Comply
Cable Bend Test	IEC 60794-1-2 E11	Comply
Repeated Bending	IEC 60794-1-2-E6	Comply
Crush Test	IEC 60794-1-2 E3	Comply
Torsion	IEC 60794-1-2-E7	Comply
Temperature Cycling Test	IEC 60794-1-2 F1	Comply
Water Penetration Test	IEC 60794-1-2-F5B	Comply
Drip Test	IEC 60794-1-22-E14	Comply

The above mentioned ADSS optical fibre cable 288FO type tests have been carried out in accordance with specification TC09376 ,international IEC specifications and internal R&D rules.

Test report

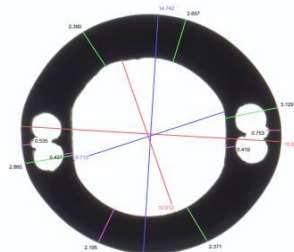
Dimensional measurement

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prismian Group Cabluri si Sisteme, Slatina		
Test standard:	SR EN 60811-1-100		
Instruments:	Caliper Mitutoyo	Calibration due date	Apr-24
	Cabscan 4.2	Calibration due date	May-24

PASS / FAIL CRITERIA:	
The measurements shall be compliant with cable's specification.	
RESULT:	
The following table summarizes the results.	
CONCLUSION:	
PASS	

Parameter	Cable documentation	Measurement
# of tubes	24	24
Outer sheath Ø [mm]	15.3 ± 0.3	15.2
Cable weight [Kg/Km]	170	157.1

Inner end			
	Dimension		[mm]
Sheath thickness	Min.	2.195	Max. 3.129
		average	2.600
Outer Ø	Min.	14.742	Max. 15.688
		average	15.215



Date:
12/11/2024

Performed by:
M. Pauna

Approved by:
M. Jianu

ATTENUATION MEASUREMENT REPORT

Product Code: 60113026	Batch: RD00021192	Measurement Date: 12/11/2024 16:38
Product Description: FAUA FT K0D1E0 288 24(12BBA1)-TC09376-en	Drum Number: DWP1600-16521978	Instrument ID: PRYRO-OTDR01
Specification: TC09376-en	Cable Length: 2650	Measuring Device: PhotonKinetics 8000i
Customer: CAM 2	Length ID: TEST	Fiber Length: 2696

All OTDR traces have been checked as linear and with regular behavior.

Result:Pass

Wavelength (nm): 1310

Wavelength (nm): 1310

Wavelength (nm): 1310

Wavelength (nm): 1310

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue Blue	0.333
Blue Orange	0.334
Blue Green	0.336
Blue Brown	0.336
Blue Grey	0.342
Blue White	0.338
Blue Red	0.338
Blue Black	0.339
Blue Yellow	0.337
Blue Violet	0.336
Blue Turquoise	0.337
Blue Pink	0.336
Orange Blue	0.335
Orange Orange	0.335
Orange Green	0.336
Orange Brown	0.331
Orange Grey	0.339
Orange White	0.337
Orange Red	0.338
Orange Black	0.337
Orange Yellow	0.336
Orange Violet	0.337
Orange Turquoise	0.336
Orange Pink	0.340
Green Blue	0.335
Green Orange	0.335
Green Green	0.338
Green Brown	0.345
Green Grey	0.336
Green White	0.337
Green Red	0.337
Green Black	0.341
Green Yellow	0.337
Green Violet	0.336
Green Turquoise	0.334
Green Pink	0.339
Brown Blue	0.333
Brown Orange	0.342
Brown Green	0.337
Brown Brown	0.336
Brown Grey	0.335
Brown White	0.343
Brown Red	0.336
Brown Black	0.338
Brown Yellow	0.346
Brown Violet	0.338
Brown Turquoise	0.336
Brown Pink	0.336
Grey Blue	0.339

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Grey Orange	0.338
Grey Green	0.337
Grey Brown	0.336
Grey Grey	0.338
Grey White	0.338
Grey Red	0.334
Grey Black	0.339
Grey Yellow	0.340
Grey Violet	0.336
Grey Turquoise	0.336
Grey Pink	0.334
White Blue	0.342
White Orange	0.334
White Green	0.339
White Brown	0.338
White Grey	0.336
White White	0.339
White Red	0.335
White Black	0.341
White Yellow	0.340
White Violet	0.336
White Turquoise	0.335
White Pink	0.339
Red Blue	0.336
Red Orange	0.338
Red Green	0.336
Red Brown	0.339
Red Grey	0.335
Red White	0.335
Red Red	0.336
Red Black	0.343
Red Yellow	0.338
Red Violet	0.340
Red Turquoise	0.335
Red Pink	0.337
Black Blue	0.340
Black Orange	0.339
Black Green	0.338
Black Brown	0.340
Black Grey	0.334
Black White	0.336
Black Red	0.338
Black Black	0.337
Black Yellow	0.339
Black Violet	0.337
Black Turquoise	0.335
Black Pink	0.339
Yellow Blue	0.340
Yellow Orange	0.336

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Yellow Green	0.336
Yellow Brown	0.339
Yellow Grey	0.339
Yellow White	0.341
Yellow Red	0.334
Yellow Black	0.338
Yellow Yellow	0.343
Yellow Violet	0.341
Yellow Turquoise	0.336
Yellow Pink	0.332
Violet Blue	0.334
Violet Orange	0.339
Violet Green	0.342
Violet Brown	0.337
Violet Grey	0.337
Violet White	0.336
Violet Red	0.337
Violet Black	0.341
Violet Yellow	0.340
Violet Violet	0.339
Violet Turquoise	0.337
Violet Pink	0.338
Turquoise Blue	0.338
Turquoise Orange	0.337
Turquoise Green	0.337
Turquoise Brown	0.337
Turquoise Grey	0.335
Turquoise White	0.339
Turquoise Red	0.340
Turquoise Black	0.336
Turquoise Yellow	0.336
Turquoise Violet	0.335
Turquoise Turquoise	0.337
Turquoise Pink	0.335
Pink Blue	0.336
Pink Orange	0.337
Pink Green	0.338
Pink Brown	0.336
Pink Grey	0.335
Pink White	0.337
Pink Red	0.335
Pink Black	0.339
Pink Yellow	0.336
Pink Violet	0.336
Pink Turquoise	0.338
Pink Pink	0.342
Blue# Blue	0.337
Blue# Orange	0.339
Blue# Green	0.339
Blue# Brown	0.339
Blue# Grey	0.339
Blue# White	0.339
Blue# Red	0.337
Blue# Black	0.342
Blue# Yellow	0.339
Blue# Violet	0.338
Blue# Turquoise	0.337
Blue# Pink	0.335
Orange# Blue	0.338
Orange# Orange	0.338
Orange# Green	0.339
Orange# Brown	0.335
Orange# Grey	0.335
Orange# White	0.335
Orange# Red	0.336
Orange# Black	0.337
Orange# Yellow	0.336
Orange# Violet	0.338
Orange# Turquoise	0.334
Orange# Pink	0.342
Green# Blue	0.337
Green# Orange	0.339
Green# Green	0.338
Green# Brown	0.338
Green# Grey	0.339
Green# White	0.338
Green# Red	0.337
Green# Black	0.337
Green# Yellow	0.336
Green# Violet	0.337
Green# Turquoise	0.342
Green# Pink	0.339
Brown# Blue	0.331
Brown# Orange	0.340
Brown# Green	0.335
Brown# Brown	0.338
Brown# Grey	0.335
Brown# White	0.340
Brown# Red	0.336
Brown# Black	0.335
Brown# Yellow	0.335
Brown# Violet	0.335
Brown# Turquoise	0.341
Brown# Pink	0.333
Grey# Blue	0.336
Grey# Orange	0.338
Grey# Green	0.335
Grey# Brown	0.335

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue# Brown	0.336
Blue# Grey	0.342
Blue# White	0.339
Blue# Red	0.337
Blue# Black	0.342
Blue# Yellow	0.339
Blue# Violet	0.338
Blue# Turquoise	0.337
Blue# Pink	0.335
Orange# Blue	0.338
Orange# Orange	0.338
Orange# Green	0.339
Orange# Brown	0.335
Orange# Grey	0.335
Orange# White	0.335
Orange# Red	0.336
Orange# Black	0.337
Orange# Yellow	0.336
Orange# Violet	0.338
Orange# Turquoise	0.334
Orange# Pink	0.342
Green# Blue	0.337
Green# Orange	0.339
Green# Green	0.338
Green# Brown	0.338
Green# Grey	0.339
Green# White	0.338
Green# Red	0.337
Green# Black	0.337
Green# Yellow	0.336
Green# Violet	0.337
Green# Turquoise	0.342
Green# Pink	0.339
Brown# Blue	0.331
Brown# Orange	0.340
Brown# Green	0.335
Brown# Brown	0.338
Brown# Grey	0.335
Brown# White	0.340
Brown# Red	0.336
Brown# Black	0.335
Brown# Yellow	0.335
Brown# Violet	0.335
Brown# Turquoise	0.341
Brown# Pink	0.333
Grey# Blue	0.336
Grey# Orange	0.338
Grey# Green	0.335
Grey# Brown	0.335

Production Operator:
Quality Inspector: CHITUCEA

Finish Goods Inspector
Lungu Ionut



Wavelength (nm): 1310

Wavelength (nm): 1310

Wavelength (nm): 1383

Wavelength (nm): 1383

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Grey# Grey	0.337
Grey# White	0.338
Grey# Red	0.334
Grey# Black	0.339
Grey# Yellow	0.336
Grey# Violet	0.337
Grey# Turquoise	0.341
Grey# Pink	0.338
White# Blue	0.339
White# Orange	0.336
White# Green	0.342
White# Brown	0.334
White# Grey	0.335
White# White	0.339
White# Red	0.338
White# Black	0.336
White# Yellow	0.335
White# Violet	0.343
White# Turquoise	0.340
White# Pink	0.338
Red# Blue	0.338
Red# Orange	0.339
Red# Green	0.336
Red# Brown	0.336
Red# Grey	0.336
Red# White	0.336
Red# Red	0.338
Red# Black	0.337
Red# Yellow	0.341
Red# Violet	0.343
Red# Turquoise	0.339
Red# Pink	0.336
Light Green# Blue	0.341
Light Green# Orange	0.338
Light Green# Green	0.339
Light Green# Brown	0.338
Light Green# Grey	0.335
Light Green# White	0.338
Light Green# Red	0.336
Light Green# Black	0.350
Light Green# Yellow	0.340
Light Green# Violet	0.334
Light Green# Turquoise	0.336
Light Green# Pink	0.339
Yellow# Blue	0.335
Yellow# Orange	0.339
Yellow# Green	0.333
Yellow# Brown	0.343
Yellow# Grey	0.334
Yellow# White	0.341
Yellow# Red	0.340
Yellow# Black	0.337
Yellow# Yellow	0.336
Yellow# Violet	0.335
Yellow# Turquoise	0.340
Yellow# Pink	0.337
Violet# Blue	0.337
Violet# Orange	0.341
Violet# Green	0.339
Violet# Brown	0.341
Violet# Grey	0.335
Violet# White	0.337

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Violet# Red	0.335
Violet# Black	0.339
Violet# Yellow	0.339
Violet# Violet	0.340
Violet# Turquoise	0.337
Violet# Pink	0.342
Turquoise# Blue	0.336
Turquoise# Orange	0.335
Turquoise# Green	0.336
Turquoise# Brown	0.338
Turquoise# Grey	0.336
Turquoise# White	0.339
Turquoise# Red	0.341
Turquoise# Black	0.333
Turquoise# Yellow	0.335
Turquoise# Violet	0.335
Turquoise# Turquoise	0.336
Turquoise# Pink	0.334
Pink# Blue	0.334
Pink# Orange	0.337
Pink# Green	0.335
Pink# Brown	0.335
Pink# Grey	0.337
Pink# White	0.336
Pink# Red	0.336
Pink# Black	0.336
Pink# Yellow	0.335
Pink# Violet	0.332
Pink# Turquoise	0.336
Pink# Pink	0.341
	Maximum 0.350
	Average 0.337
	Limit 0.360

Wavelength (nm): 1383

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue Blue	0.299
Blue Orange	0.259
Blue Green	0.279
Blue Brown	0.265
Blue Grey	0.266
Blue White	0.276
Blue Red	0.268
Blue Black	0.272
Blue Yellow	0.273
Blue Violet	0.274
Blue Turquoise	0.270
Blue Pink	0.248
Orange Blue	0.290
Orange Orange	0.260
Orange Green	0.270
Orange Brown	0.271
Orange Grey	0.260
Orange White	0.272
Orange Red	0.281
Orange Black	0.261
Orange Yellow	0.279
Orange Violet	0.262
Orange Turquoise	0.297

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Orange Pink	0.261
Green Blue	0.283
Green Orange	0.294
Green Green	0.287
Green Brown	0.293
Green Grey	0.286
Green White	0.272
Green Red	0.267
Green Black	0.288
Green Yellow	0.273
Green Violet	0.295
Green Turquoise	0.285
Green Pink	0.280
Brown Blue	0.285
Brown Orange	0.278
Brown Green	0.297
Brown Brown	0.270
Brown Grey	0.278
Brown White	0.304
Brown Red	0.290
Brown Black	0.259
Brown Yellow	0.259
Brown Violet	0.280
Brown Turquoise	0.272
Brown Pink	0.269
Grey Blue	0.270
Grey Orange	0.259
Grey Green	0.281
Grey Brown	0.260
Grey Grey	0.257
Grey White	0.292
Grey Red	0.308
Grey Black	0.259
Grey Yellow	0.267
Grey Violet	0.281
Grey Turquoise	0.273
Grey Pink	0.275
White Blue	0.268
White Orange	0.261
White Green	0.262
White Brown	0.271
White Grey	0.280
White White	0.294
White Red	0.278
White Black	0.311
White Yellow	0.280
White Violet	0.279
White Turquoise	0.264
White Pink	0.274
Red Blue	0.273
Red Orange	0.275
Red Green	0.284
Red Brown	0.278
Red Grey	0.280
Red White	0.275
Red Red	0.266
Red Black	0.284
Red Yellow	0.279
Red Violet	0.274
Red Turquoise	0.258
Red Pink	0.281
Black Blue	0.263

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Black Orange	0.288
Black Green	0.277
Black Brown	0.270
Black Grey	0.285
Black White	0.261
Black Red	0.270
Black Black	0.302
Black Yellow	0.305
Black Violet	0.263
Black Turquoise	0.266
Black Pink	0.266
Yellow Blue	0.282
Yellow Orange	0.290
Yellow Green	0.300
Yellow Brown	0.296
Yellow Grey	0.265
Yellow White	0.264
Yellow Red	0.264
Yellow Black	0.277
Yellow Yellow	0.293
Yellow Violet	0.281
Yellow Turquoise	0.290
Yellow Pink	0.261
Violet Blue	0.268
Violet Orange	0.259
Violet Green	0.293
Violet Brown	0.282
Violet Grey	0.284
Violet White	0.281
Violet Red	0.286
Violet Black	0.286
Violet Yellow	0.296
Violet Violet	0.279
Violet Turquoise	0.259
Violet Pink	0.273
Turquoise Blue	0.269
Turquoise Orange	0.268
Turquoise Green	0.272
Turquoise Brown	0.270
Turquoise Grey	0.269
Turquoise White	0.278
Turquoise Red	0.258
Turquoise Black	0.281
Turquoise Yellow	0.268
Turquoise Violet	0.267
Turquoise Turquoise	0.286
Turquoise Pink	0.282
Pink Blue	0.282
Pink Orange	0.272
Pink Green	0.278
Pink Brown	0.284
Pink Grey	0.275
Pink White	0.257
Pink Red	0.252
Pink Black	0.282
Pink Yellow	0.284
Pink Violet	0.286
Pink Turquoise	0.297
Pink Pink	0.288
Blue# Blue	0.269
Blue# Orange	0.272
Blue# Green	0.283

Production Operator:
Quality Inspector: CHITUCEA

Finish Goods Inspector
Lungu Ionut



Wavelength (nm): 1383

Wavelength (nm): 1383

Wavelength (nm): 1383

Wavelength (nm): 1550

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue# Brown	0.269
Blue# Grey	0.275
Blue# White	0.285
Blue# Red	0.259
Blue# Black	0.265
Blue# Yellow	0.270
Blue# Violet	0.269
Blue# Turquoise	0.286
Blue# Pink	0.284
Orange# Blue	0.277
Orange# Orange	0.282
Orange# Green	0.285
Orange# Brown	0.252
Orange# Grey	0.284
Orange# White	0.272
Orange# Red	0.280
Orange# Black	0.292
Orange# Yellow	0.288
Orange# Violet	0.262
Orange# Turquoise	0.286
Orange# Pink	0.278
Green# Blue	0.259
Green# Orange	0.277
Green# Green	0.266
Green# Brown	0.282
Green# Grey	0.276
Green# White	0.276
Green# Red	0.279
Green# Black	0.288
Green# Yellow	0.284
Green# Violet	0.274
Green# Turquoise	0.283
Green# Pink	0.266
Brown# Blue	0.277
Brown# Orange	0.267
Brown# Green	0.284
Brown# Brown	0.304
Brown# Grey	0.280
Brown# White	0.287
Brown# Red	0.268
Brown# Black	0.286
Brown# Yellow	0.292
Brown# Violet	0.276
Brown# Turquoise	0.247
Brown# Pink	0.281
Grey# Blue	0.282
Grey# Orange	0.259
Grey# Green	0.280
Grey# Brown	0.260
Grey# Grey	0.262
Grey# White	0.278
Grey# Red	0.273
Grey# Black	0.278
Grey# Yellow	0.265
Grey# Violet	0.281
Grey# Turquoise	0.295
Grey# Pink	0.281
White# Blue	0.276
White# Orange	0.267
White# Green	0.282
White# Brown	0.286
White# Grey	0.276

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
White# White	0.283
White# Red	0.265
White# Black	0.264
White# Yellow	0.286
White# Violet	0.316
White# Turquoise	0.285
White# Pink	0.286
Red# Blue	0.284
Red# Orange	0.252
Red# Green	0.272
Red# Brown	0.288
Red# Grey	0.273
Red# White	0.282
Red# Red	0.283
Red# Black	0.251
Red# Yellow	0.276
Red# Violet	0.298
Red# Turquoise	0.277
Red# Pink	0.271
Light Green# Blue	0.282
Light Green# Orange	0.282
Light Green# Green	0.270
Light Green# Brown	0.274
Light Green# Grey	0.285
Light Green# White	0.282
Light Green# Red	0.285
Light Green# Black	0.269
Light Green# Yellow	0.274
Light Green# Violet	0.253
Light Green# Turquoise	0.295
Light Green# Pink	0.273
Yellow# Blue	0.294
Yellow# Orange	0.272
Yellow# Green	0.288
Yellow# Brown	0.289
Yellow# Grey	0.270
Yellow# White	0.282
Yellow# Red	0.273
Yellow# Black	0.281
Yellow# Yellow	0.273
Yellow# Violet	0.276
Yellow# Turquoise	0.305
Yellow# Pink	0.265
Violet# Blue	0.288
Violet# Orange	0.281
Violet# Green	0.275
Violet# Brown	0.269
Violet# Grey	0.270
Violet# White	0.277
Violet# Red	0.284
Violet# Black	0.296
Violet# Yellow	0.263
Violet# Violet	0.266
Violet# Turquoise	0.283
Violet# Pink	0.290
Turquoise# Blue	0.279
Turquoise# Orange	0.257
Turquoise# Green	0.253
Turquoise# Brown	0.278
Turquoise# Grey	0.263
Turquoise# White	0.269
Turquoise# Red	0.285

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Turquoise# Black	0.273
Turquoise# Yellow	0.271
Turquoise# Violet	0.300
Turquoise# Turquoise	0.269
Turquoise# Pink	0.274
Pink# Blue	0.286
Pink# Orange	0.269
Pink# Green	0.275
Pink# Brown	0.276
Pink# Grey	0.290
Pink# White	0.285
Pink# Red	0.280
Pink# Black	0.279
Pink# Yellow	0.259
Pink# Violet	0.245
Pink# Turquoise	0.284
Pink# Pink	0.291
	Maximum 0.316
	Average 0.277
	Limit 0.350

Wavelength (nm): 1550

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue Blue	0.182
Blue Orange	0.184
Blue Green	0.186
Blue Brown	0.186
Blue Grey	0.188
Blue White	0.189
Blue Red	0.186
Blue Black	0.189
Blue Yellow	0.185
Blue Violet	0.186
Blue Turquoise	0.186
Blue Pink	0.186
Orange Blue	0.186
Orange Orange	0.186
Orange Green	0.187
Orange Brown	0.183
Orange Grey	0.190
Orange White	0.188
Orange Red	0.189
Orange Black	0.187
Orange Yellow	0.186
Orange Violet	0.188
Orange Turquoise	0.185
Orange Pink	0.189
Green Blue	0.186
Green Orange	0.186
Green Green	0.191
Green Brown	0.187
Green Grey	0.188
Green White	0.184
Green Red	0.188
Green Black	0.189
Green Yellow	0.188
Green Violet	0.185
Green Turquoise	0.185
Green Pink	0.186

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Brown Blue	0.184
Brown Orange	0.187
Brown Green	0.189
Brown Brown	0.188
Brown Grey	0.188
Brown White	0.192
Brown Red	0.186
Brown Black	0.187
Brown Yellow	0.186
Brown Violet	0.187
Brown Turquoise	0.186
Brown Pink	0.187
Grey Blue	0.188
Grey Orange	0.188
Grey Green	0.186
Grey Brown	0.185
Grey Grey	0.186
Grey White	0.186
Grey Red	0.185
Grey Black	0.188
Grey Yellow	0.187
Grey Violet	0.186
Grey Turquoise	0.186
Grey Pink	0.186
White Blue	0.190
White Orange	0.185
White Green	0.187
White Brown	0.187
White Grey	0.186
White White	0.188
White Red	0.186
White Black	0.189
White Yellow	0.189
White Violet	0.185
White Turquoise	0.186
White Pink	0.187
Red Blue	0.186
Red Orange	0.188
Red Green	0.187
Red Brown	0.188
Red Grey	0.185
Red White	0.185
Red Red	0.186
Red Black	0.188
Red Yellow	0.188
Red Violet	0.188
Red Turquoise	0.183
Red Pink	0.186
Black Blue	0.189
Black Orange	0.188
Black Green	0.189
Black Brown	0.187
Black Grey	0.187
Black White	0.186
Black Red	0.187
Black Black	0.186
Black Yellow	0.189
Black Violet	0.187
Black Turquoise	0.185
Black Pink	0.188
Yellow Blue	0.189
Yellow Orange	0.187

Production Operator:
Quality Inspector: CHITUCEA

Finish Goods Inspector
Lungu Ionut



Wavelength (nm): 1550

Wavelength (nm): 1550

Wavelength (nm): 1550

Wavelength (nm): 1550

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Yellow Green	0.187
Yellow Brown	0.189
Yellow Grey	0.188
Yellow White	0.188
Yellow Red	0.184
Yellow Black	0.187
Yellow Yellow	0.191
Yellow Violet	0.188
Yellow Turquoise	0.185
Yellow Pink	0.184
Violet Blue	0.184
Violet Orange	0.186
Violet Green	0.188
Violet Brown	0.186
Violet Grey	0.185
Violet White	0.186
Violet Red	0.186
Violet Black	0.189
Violet Yellow	0.189
Violet Violet	0.187
Violet Turquoise	0.187
Violet Pink	0.186
Turquoise Blue	0.188
Turquoise Orange	0.187
Turquoise Green	0.187
Turquoise Brown	0.187
Turquoise Grey	0.184
Turquoise White	0.190
Turquoise Red	0.187
Turquoise Black	0.186
Turquoise Yellow	0.186
Turquoise Violet	0.185
Turquoise Turquoise	0.185
Turquoise Pink	0.186
Pink Blue	0.187
Pink Orange	0.185
Pink Green	0.187
Pink Brown	0.187
Pink Grey	0.187
Pink White	0.188
Pink Red	0.186
Pink Black	0.189
Pink Yellow	0.187
Pink Violet	0.188
Pink Turquoise	0.188
Pink Pink	0.188
Blue# Blue	0.185
Blue# Orange	0.188
Blue# Green	0.187
Blue# Brown	0.187
Blue# Grey	0.189
Blue# White	0.185
Blue# Red	0.186
Blue# Black	0.188
Blue# Yellow	0.187
Blue# Violet	0.186
Blue# Turquoise	0.186
Blue# Pink	0.185
Orange# Blue	0.186
Orange# Orange	0.188
Orange# Green	0.188
Orange# Brown	0.188

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Orange# Grey	0.186
Orange# White	0.186
Orange# Red	0.187
Orange# Black	0.188
Orange# Yellow	0.187
Orange# Violet	0.187
Orange# Turquoise	0.184
Orange# Pink	0.188
Green# Blue	0.186
Green# Orange	0.189
Green# Green	0.190
Green# Brown	0.188
Green# Grey	0.187
Green# White	0.188
Green# Red	0.189
Green# Black	0.186
Green# Yellow	0.187
Green# Violet	0.189
Green# Turquoise	0.188
Green# Pink	0.190
Brown# Blue	0.186
Brown# Orange	0.188
Brown# Green	0.186
Brown# Brown	0.187
Brown# Grey	0.187
Brown# White	0.189
Brown# Red	0.188
Brown# Black	0.185
Brown# Yellow	0.185
Brown# Violet	0.185
Brown# Turquoise	0.194
Brown# Pink	0.186
Grey# Blue	0.187
Grey# Orange	0.187
Grey# Green	0.187
Grey# Brown	0.185
Grey# Grey	0.186
Grey# White	0.187
Grey# Red	0.184
Grey# Black	0.189
Grey# Yellow	0.186
Grey# Violet	0.186
Grey# Turquoise	0.188
Grey# Pink	0.187
White# Blue	0.188
White# Orange	0.186
White# Green	0.188
White# Brown	0.184
White# Grey	0.186
White# White	0.186
White# Red	0.187
White# Black	0.187
White# Yellow	0.186
White# Violet	0.190
White# Turquoise	0.188
White# Pink	0.187
Red# Blue	0.187
Red# Orange	0.188
Red# Green	0.186
Red# Brown	0.185
Red# Grey	0.184
Red# White	0.188

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Red# Red	0.189
Red# Black	0.187
Red# Yellow	0.188
Red# Violet	0.189
Red# Turquoise	0.187
Red# Pink	0.185
Light Green# Blue	0.188
Light Green# Orange	0.188
Light Green# Green	0.188
Light Green# Brown	0.187
Light Green# Grey	0.185
Light Green# White	0.186
Light Green# Red	0.185
Light Green# Black	0.187
Light Green# Yellow	0.187
Light Green# Violet	0.185
Light Green# Turquoise	0.187
Light Green# Pink	0.188
Yellow# Blue	0.186
Yellow# Orange	0.188
Yellow# Green	0.184
Yellow# Brown	0.190
Yellow# Grey	0.186
Yellow# White	0.189
Yellow# Red	0.188
Yellow# Black	0.186
Yellow# Yellow	0.185
Yellow# Violet	0.186
Yellow# Turquoise	0.186
Yellow# Pink	0.187
Violet# Blue	0.187
Violet# Orange	0.189
Violet# Green	0.189
Violet# Brown	0.188
Violet# Grey	0.186
Violet# White	0.185
Violet# Red	0.185
Violet# Black	0.187
Violet# Yellow	0.187
Violet# Violet	0.186
Violet# Turquoise	0.186
Violet# Pink	0.190
Turquoise# Blue	0.185
Turquoise# Orange	0.186
Turquoise# Green	0.186
Turquoise# Brown	0.185
Turquoise# Grey	0.187
Turquoise# White	0.188
Turquoise# Red	0.188
Turquoise# Black	0.183
Turquoise# Yellow	0.185
Turquoise# Violet	0.185
Turquoise# Turquoise	0.186
Turquoise# Pink	0.183
Pink# Blue	0.185
Pink# Orange	0.186
Pink# Green	0.186
Pink# Brown	0.184
Pink# Grey	0.186
Pink# White	0.186
Pink# Red	0.186
Pink# Black	0.187

G.657A1 0.36 0.22 0.24 0.35		
Tube Fiber	Atten. dB/Km	
Pink# Yellow	0.185	
Pink# Violet	0.183	
Pink# Turquoise	0.188	
Pink# Pink	0.189	
Maximum		0.194
Average		0.187
Limit		0.220

Wavelength (nm): 1625

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Blue Blue	0.193
Blue Orange	0.193
Blue Green	0.196
Blue Brown	0.195
Blue Grey	0.197
Blue White	0.197
Blue Red	0.195
Blue Black	0.198
Blue Yellow	0.197
Blue Violet	0.197
Blue Turquoise	0.196
Blue Pink	0.196
Orange Blue	0.196
Orange Orange	0.195
Orange Green	0.198
Orange Brown	0.192
Orange Grey	0.198
Orange White	0.197
Orange Red	0.198
Orange Black	0.197
Orange Yellow	0.196
Orange Violet	0.197
Orange Turquoise	0.194
Orange Pink	0.197
Green Blue	0.196
Green Orange	0.196
Green Green	0.202
Green Brown	0.197
Green Grey	0.197
Green White	0.201
Green Red	0.198
Green Black	0.200
Green Yellow	0.198
Green Violet	0.197
Green Turquoise	0.194
Green Pink	0.197
Brown Blue	0.193
Brown Orange	0.198
Brown Green	0.197
Brown Brown	0.197
Brown Grey	0.197
Brown White	0.206
Brown Red	0.195
Brown Black	0.197
Brown Yellow	0.195
Brown Violet	0.196
Brown Turquoise	0.197
Brown Pink	0.196
Grey Blue	0.198

Production Operator:
Quality Inspector: CHITUCEA

Finish Goods Inspector
Lungu Ionut



Wavelength (nm): 1625

Wavelength (nm): 1625

Wavelength (nm): 1625

Wavelength (nm): 1625

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Grey Orange	0.197
Grey Green	0.197
Grey Brown	0.196
Grey Grey	0.197
Grey White	0.198
Grey Red	0.196
Grey Black	0.199
Grey Yellow	0.196
Grey Violet	0.196
Grey Turquoise	0.195
Grey Pink	0.194
White Blue	0.200
White Orange	0.195
White Green	0.198
White Brown	0.195
White Grey	0.197
White White	0.196
White Red	0.195
White Black	0.199
White Yellow	0.197
White Violet	0.196
White Turquoise	0.195
White Pink	0.197
Red Blue	0.195
Red Orange	0.196
Red Green	0.196
Red Brown	0.197
Red Grey	0.196
Red White	0.196
Red Red	0.198
Red Black	0.200
Red Yellow	0.195
Red Violet	0.197
Red Turquoise	0.195
Red Pink	0.195
Black Blue	0.197
Black Orange	0.200
Black Green	0.199
Black Brown	0.197
Black Grey	0.195
Black White	0.194
Black Red	0.196
Black Black	0.198
Black Yellow	0.198
Black Violet	0.197
Black Turquoise	0.195
Black Pink	0.198
Yellow Blue	0.199
Yellow Orange	0.196
Yellow Green	0.195
Yellow Brown	0.199
Yellow Grey	0.198
Yellow White	0.198
Yellow Red	0.194
Yellow Black	0.198
Yellow Yellow	0.198
Yellow Violet	0.198
Yellow Turquoise	0.196
Yellow Pink	0.194
Violet Blue	0.193
Violet Orange	0.196
Violet Green	0.198

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Violet Brown	0.197
Violet Grey	0.194
Violet White	0.195
Violet Red	0.197
Violet Black	0.197
Violet Yellow	0.196
Violet Violet	0.197
Violet Turquoise	0.197
Violet Pink	0.196
Turquoise Blue	0.196
Turquoise Orange	0.196
Turquoise Green	0.197
Turquoise Brown	0.197
Turquoise Grey	0.193
Turquoise White	0.199
Turquoise Red	0.195
Turquoise Black	0.196
Turquoise Yellow	0.194
Turquoise Violet	0.195
Turquoise Turquoise	0.196
Turquoise Pink	0.195
Pink Blue	0.196
Pink Orange	0.196
Pink Green	0.196
Pink Brown	0.196
Pink Grey	0.197
Pink White	0.196
Pink Red	0.197
Pink Black	0.199
Pink Yellow	0.196
Pink Violet	0.198
Pink Turquoise	0.198
Pink Pink	0.198
Blue# Blue	0.196
Blue# Orange	0.197
Blue# Green	0.197
Blue# Brown	0.196
Blue# Grey	0.196
Blue# White	0.196
Blue# Red	0.196
Blue# Black	0.197
Blue# Yellow	0.196
Blue# Violet	0.196
Blue# Turquoise	0.195
Blue# Pink	0.195
Orange# Blue	0.197
Orange# Orange	0.195
Orange# Green	0.199
Orange# Brown	0.196
Orange# Grey	0.196
Orange# White	0.197
Orange# Red	0.197
Orange# Black	0.198
Orange# Yellow	0.197
Orange# Violet	0.197
Orange# Turquoise	0.193
Orange# Pink	0.198
Green# Blue	0.195
Green# Orange	0.198
Green# Green	0.202
Green# Brown	0.200
Green# Grey	0.199

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Green# White	0.196
Green# Red	0.197
Green# Black	0.195
Green# Yellow	0.196
Green# Violet	0.197
Green# Turquoise	0.199
Green# Pink	0.196
Brown# Blue	0.196
Brown# Orange	0.198
Brown# Green	0.196
Brown# Brown	0.198
Brown# Grey	0.198
Brown# White	0.198
Brown# Red	0.198
Brown# Black	0.195
Brown# Yellow	0.195
Brown# Violet	0.197
Brown# Turquoise	0.197
Brown# Pink	0.195
Grey# Blue	0.198
Grey# Orange	0.196
Grey# Green	0.196
Grey# Brown	0.196
Grey# Grey	0.197
Grey# White	0.195
Grey# Red	0.194
Grey# Black	0.198
Grey# Yellow	0.194
Grey# Violet	0.197
Grey# Turquoise	0.197
Grey# Pink	0.197
White# Blue	0.197
White# Orange	0.196
White# Green	0.198
White# Brown	0.195
White# Grey	0.196
White# White	0.197
White# Red	0.195
White# Black	0.197
White# Yellow	0.196
White# Violet	0.199
White# Turquoise	0.198
White# Pink	0.196
Red# Blue	0.196
Red# Orange	0.198
Red# Green	0.195
Red# Brown	0.195
Red# Grey	0.195
Red# White	0.197
Red# Red	0.198
Red# Black	0.198
Red# Yellow	0.197
Red# Violet	0.200
Red# Turquoise	0.197
Red# Pink	0.196
Light Green# Blue	0.198
Light Green# Orange	0.199
Light Green# Green	0.197
Light Green# Brown	0.197
Light Green# Grey	0.195
Light Green# White	0.196
Light Green# Red	0.196

G.657A1 0.36 0.22 0.24 0.35	
Tube Fiber	Atten. dB/Km
Light Green# Black	0.197
Light Green# Yellow	0.197
Light Green# Violet	0.194
Light Green# Turquoise	0.197
Light Green# Pink	0.198
Yellow# Blue	0.196
Yellow# Orange	0.198
Yellow# Green	0.195
Yellow# Brown	0.200
Yellow# Grey	0.195
Yellow# White	0.197
Yellow# Red	0.197
Yellow# Black	0.196
Yellow# Yellow	0.195
Yellow# Violet	0.197
Yellow# Turquoise	0.197
Yellow# Pink	0.196
Violet# Blue	0.196
Violet# Orange	0.198
Violet# Green	0.200
Violet# Brown	0.197
Violet# Grey	0.195
Violet# White	0.196
Violet# Red	0.195
Violet# Black	0.198
Violet# Yellow	0.197
Violet# Violet	0.195
Violet# Turquoise	0.197
Violet# Pink	0.200
Turquoise# Blue	0.195
Turquoise# Orange	0.196
Turquoise# Green	0.195
Turquoise# Brown	0.197
Turquoise# Grey	0.196
Turquoise# White	0.197
Turquoise# Red	0.198
Turquoise# Black	0.193
Turquoise# Yellow	0.193
Turquoise# Violet	0.196
Turquoise# Turquoise	0.195
Turquoise# Pink	0.194
Pink# Blue	0.196
Pink# Orange	0.196
Pink# Green	0.197
Pink# Brown	0.196
Pink# Grey	0.195
Pink# White	0.195
Pink# Red	0.196
Pink# Black	0.196
Pink# Yellow	0.193
Pink# Violet	0.194
Pink# Turquoise	0.199
Pink# Pink	0.199
	Maximum 0.206
	Average 0.197
	Limit 0.240

Production Operator:
Quality Inspector: CHITUCEA

Finish Goods Inspector
Lungu Ionut

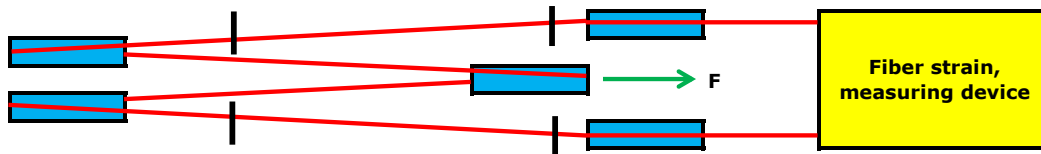


Test report

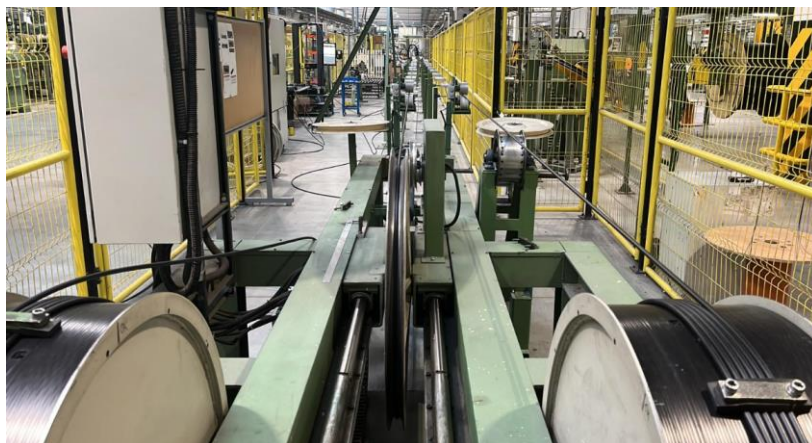
Tensile performance

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-21 E1		
Length under test:	147 m		
Fibers under test:	12		
Instruments:	Load cell 5000 Kgf, ASA-RT-ATBCX120	Calibration due date:	Dec-24
	Fiber strain CD500	Calibration due date:	Apr-24

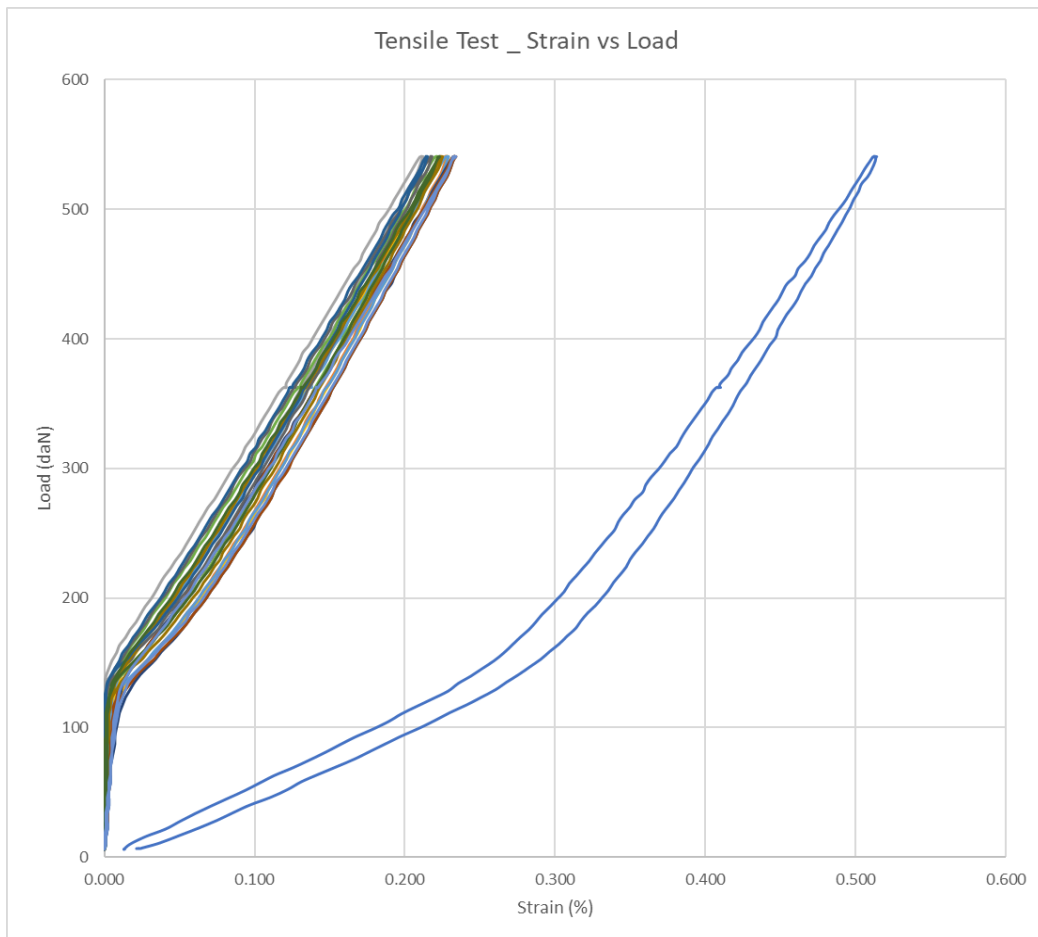
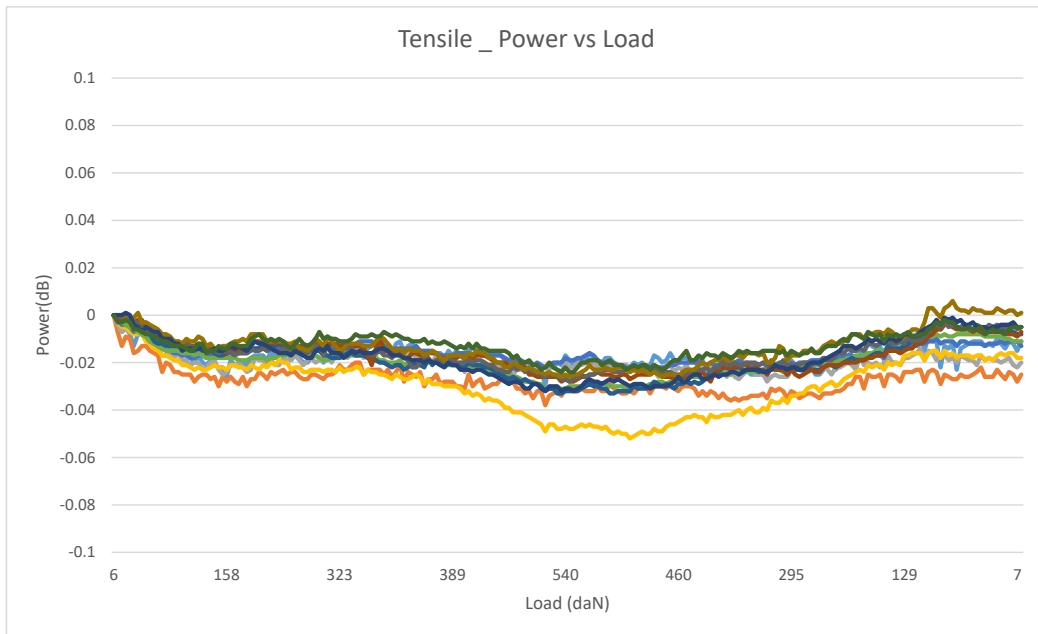
PASS / FAIL CRITERIA:	5370 N, 5 min, $\Delta l/l \leq 0.2\%$, $\Delta\alpha \leq 0.5$ dB/km, reversible;
RESULT:	@ 5370 N, max $\Delta l/l$ fibers = 0.234 %, max $\Delta l/l$ cable = 0.514%, max $\Delta\alpha$ = 0.052 dB, reversible;
CONCLUSION:	PASS



- Legend**
- Tensile Strength machine pulleys
 - Cable under test
 - Cable elongation marks
 - Load direction



Set-up Picture



Date:
12/11/2024

Performed by:
A. Bostina

Approved by:
M. Jianu

Test report

Cable bend

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prismian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-21 E11		
Length under test:	68 m		
Fibers spliced in loop:	24		
Instruments:	Laboratory bend test device	Calibration due date:	N/A
	Fiber strain CD500	Calibration due date:	Apr-24

PASS / FAIL CRITERIA:

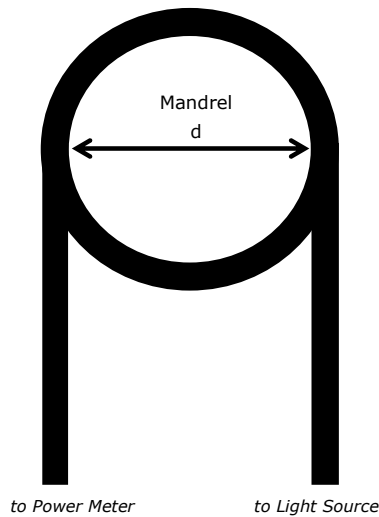
$R = 10 \times OD$, 5 turns, 3 cycles, $\Delta\alpha \leq 0.05\text{dB}$, reversible;

RESULT:

3 cycles x 5 turns; mandrel $\varnothing 306\text{ mm}$; max $\Delta\alpha = 0.003\text{ dB}$, $\Delta\alpha$ reversible;

CONCLUSION:

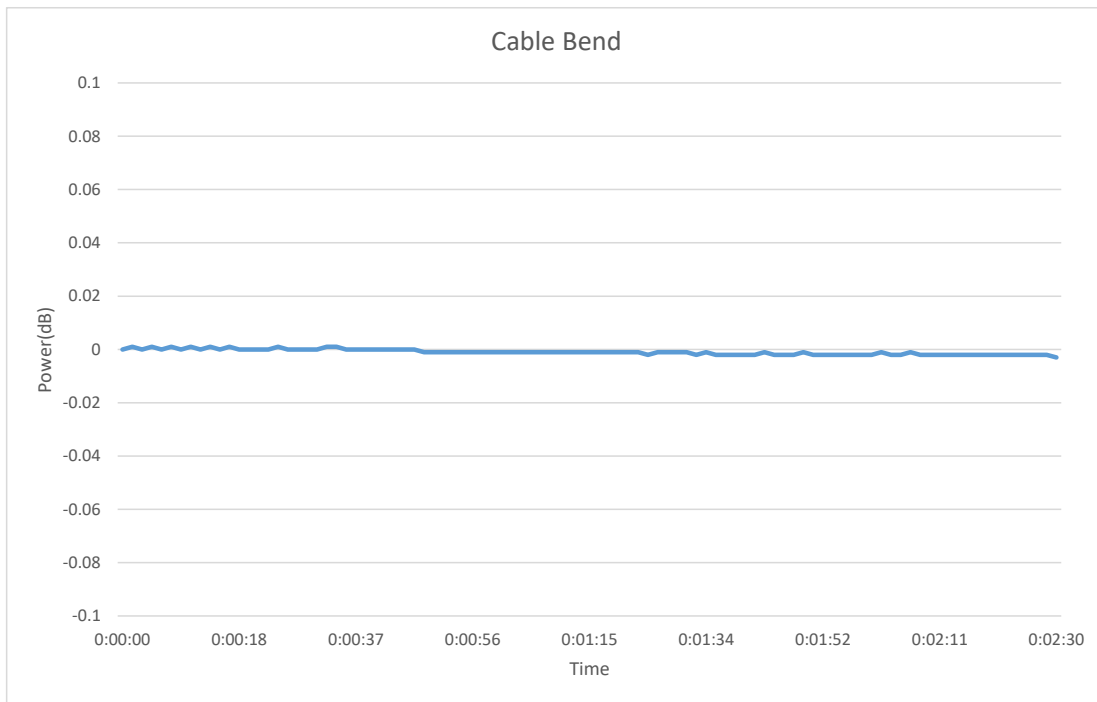
PASS



Schematic representation of test



Test results		
Cable bend test no. / No. of cycles	Mandrel Ø (mm)	Max. att. change during test/loop [dB]
1/ 3	306	0.003



Date:
12/11/2024

Performed by:
A. Bostina

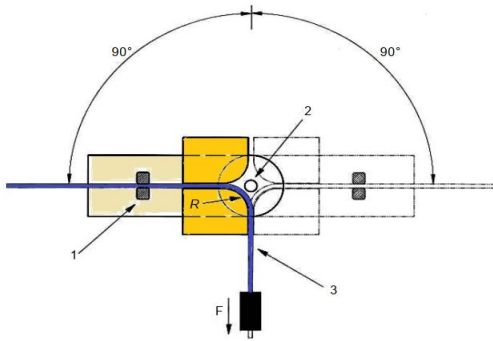
Approved by:
M. Jianu

Test report

Repeated bending

Type of cable:	ADSS optical fibre cable 288FO	Calibration due date:	N/A
Drum no.:	DWP1600 16521978	Calibration due date:	Apr-24
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-2-E6		
Length under test:	68 m		
Fibers spliced in loop:	24		
Instruments:	Laboratory repeated bending test device		
	Fiber strain CD500		

PASS / FAIL CRITERIA: 50 cycles; R=20 x OD, $\Delta\alpha \leq 0.05\text{dB}$, reversible;
RESULT: 50 cycles, mandrel $\varnothing 612\text{ mm}$, Max. $\Delta\alpha = 0.005\text{ dB}$, no damage;
CONCLUSION: PASS

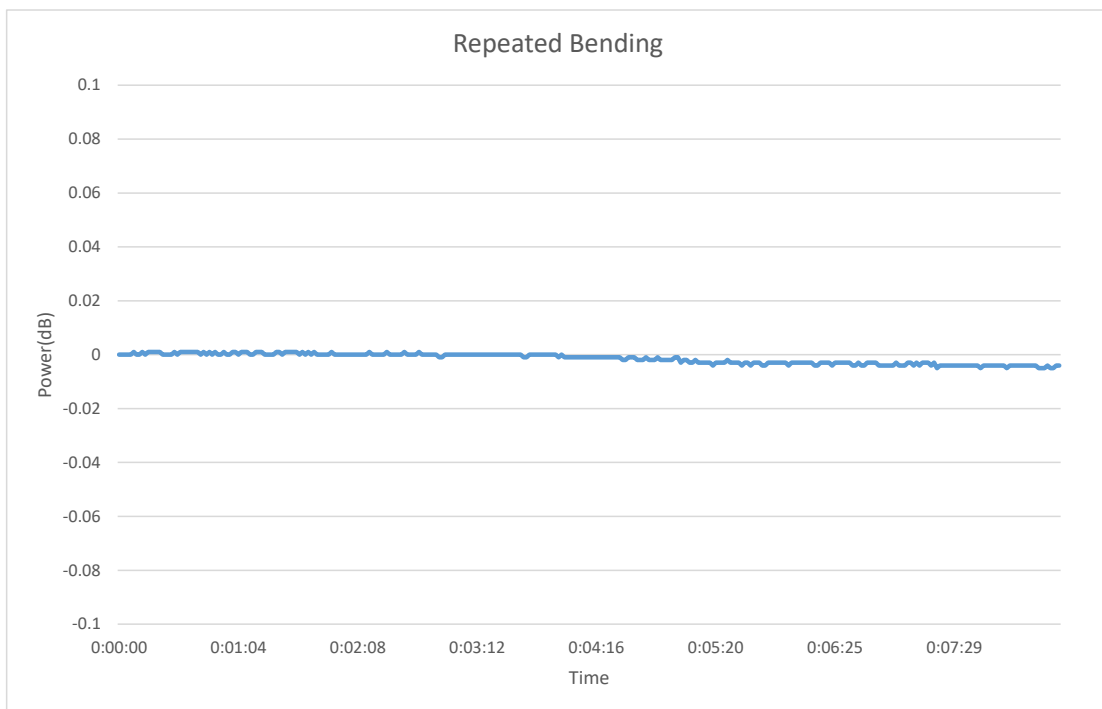


IEC

- 1. Clamp
- 2. Axis of rotation
- 3. Sample
- R bending radius
- F load



Test results		
Test no.	No. of cycles	Max. att. change during test/loop [dB]
1	50	0.005



Date:
12/11/2024

Performed by:
A. Bostina

Approved by:
M. Jianu

Test report

Crush test

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-21 E3		
Length under test:	68 m		
Fibers spliced in loop:	24		
Instruments:	Instron	Calibration due date:	Dec-24
	Fiber strain CD500	Calibration due date:	Apr-24

PASS / FAIL CRITERIA:	2000 N / 100 mm, 10 min, $\Delta\alpha \leq 0.05$ dB, reversible, no damage;
RESULT:	2000N / 100 mm, 10 min, max $\Delta\alpha = 0.011$ dB;
CONCLUSION:	PASS

Test results		
Crush test no.	Load [N]	Max. att. change during test /loop [dB]
1	2000	0.010
2	2000	0.011
3	2000	0.008

#Crush Test 1

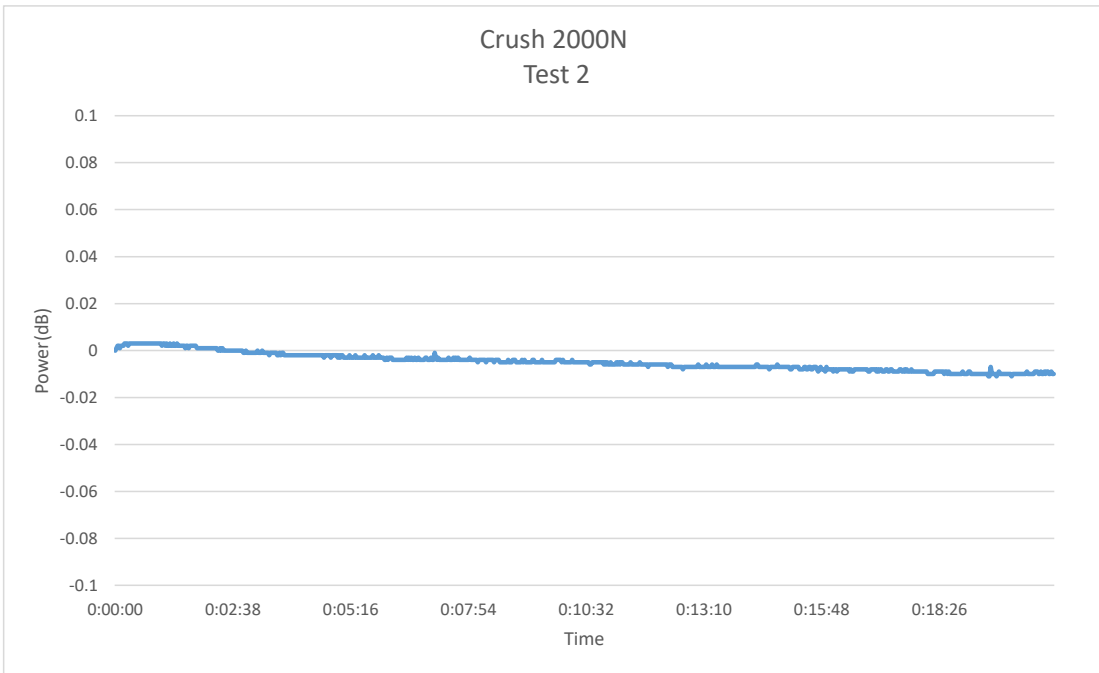
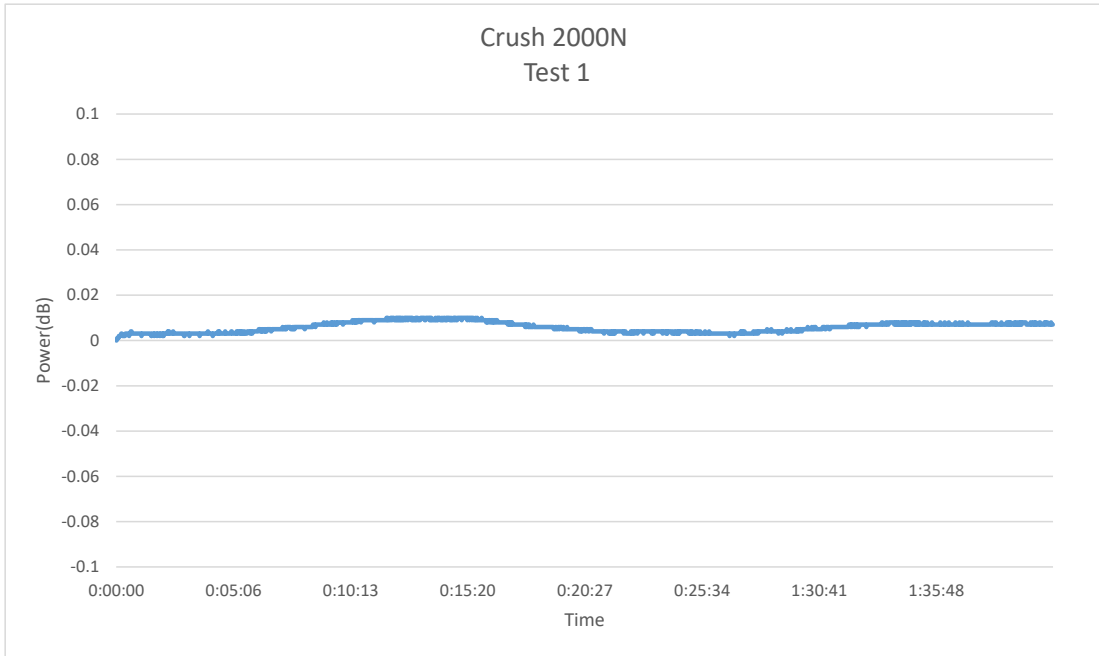


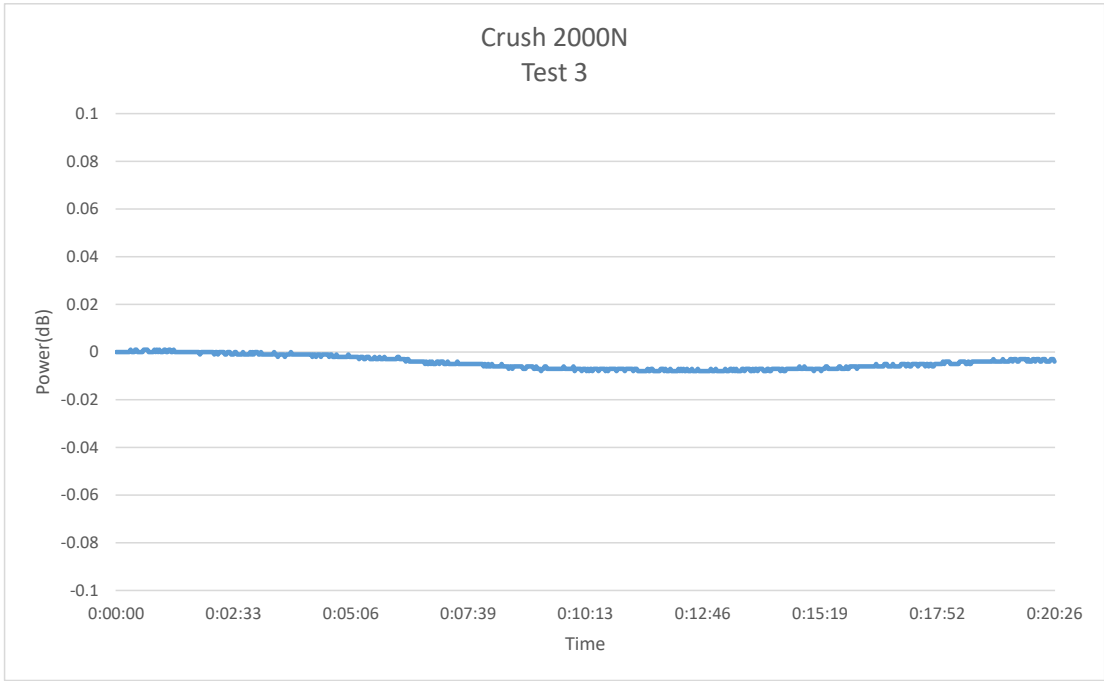
#Crush Test 2



#Crush Test 3







Date:
12/11/2024

Performed by:
C. Oanta

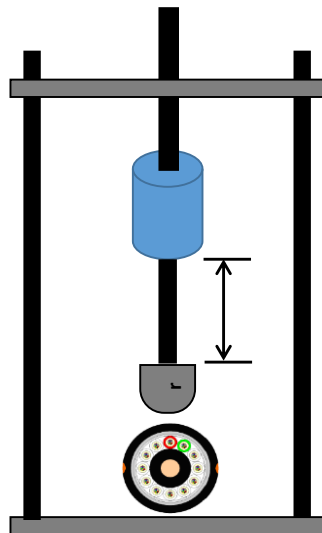
Approved by:
M. Jianu

Test report

Impact test

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-21 E4		
Length under test:	68 m		
Fibers spliced in loop:	24		
Instruments:	Laboratory Impact test device	Calibration due date:	NA
	Fiber strain CD500	Calibration due date:	Apr-24

PASS / FAIL CRITERIA: 10 J, 3 impacts , R = 300 mm; $\Delta\alpha \leq 0.05$ dB, reversible, no damage;
RESULT: 10 J, 3 impacts, R = 300 mm, Max. $\Delta\alpha = 0.002$ dB, no damage;
CONCLUSION: PASS



Schematic representation of test

Test results		
Impact test no. / No. of impacts	Impact Energy(J)	Max. att. change during test/loop [dB]
1/ 3	10	0.002

Cable After Test

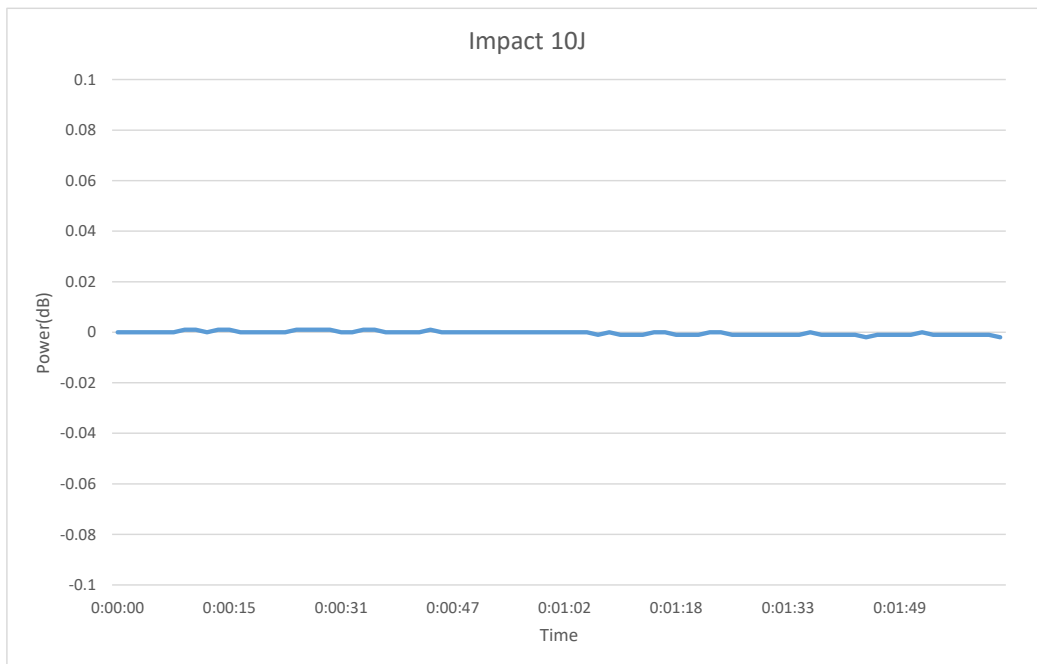
#1



#2



#3



Date:
12/11/2024

Performed by:
A. Bostina

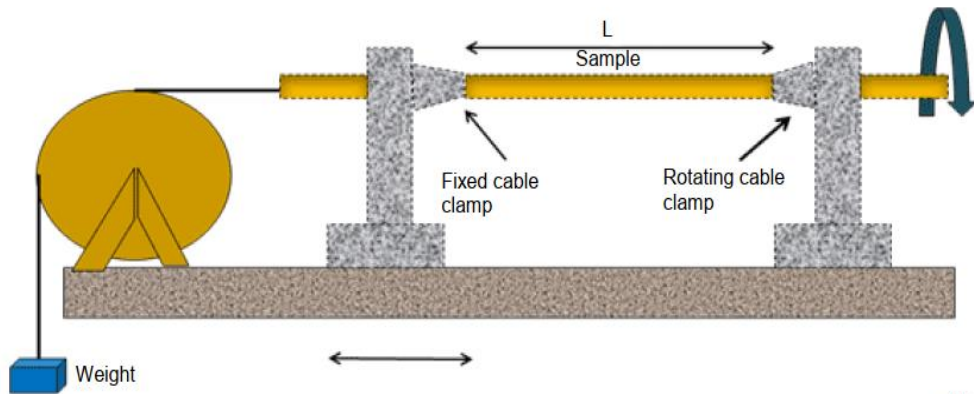
Approved by:
M. Jianu

Test report

Torsion test

Type of cable:	ADSS optical fibre cable 288FO	Calibration due date:	N/A
Drum no.:	DWP1600 16521978	Calibration due date:	Apr-24
Specification:	TC09376		
Laboratory:	Prismian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-2-E7		
Length under test:	58 m		
Fibers spliced in loop:	24		
Instruments:	Laboratory torsion device		
	Fiber strain CD500		

PASS / FAIL CRITERIA: ± 180°, 2 m, 100 N, 5 cycles $\Delta\alpha \leq 0.05$ dB, reversible;
RESULT: ±360° Max $\Delta\alpha = 0.007$ dB, no damage;
CONCLUSION: PASS

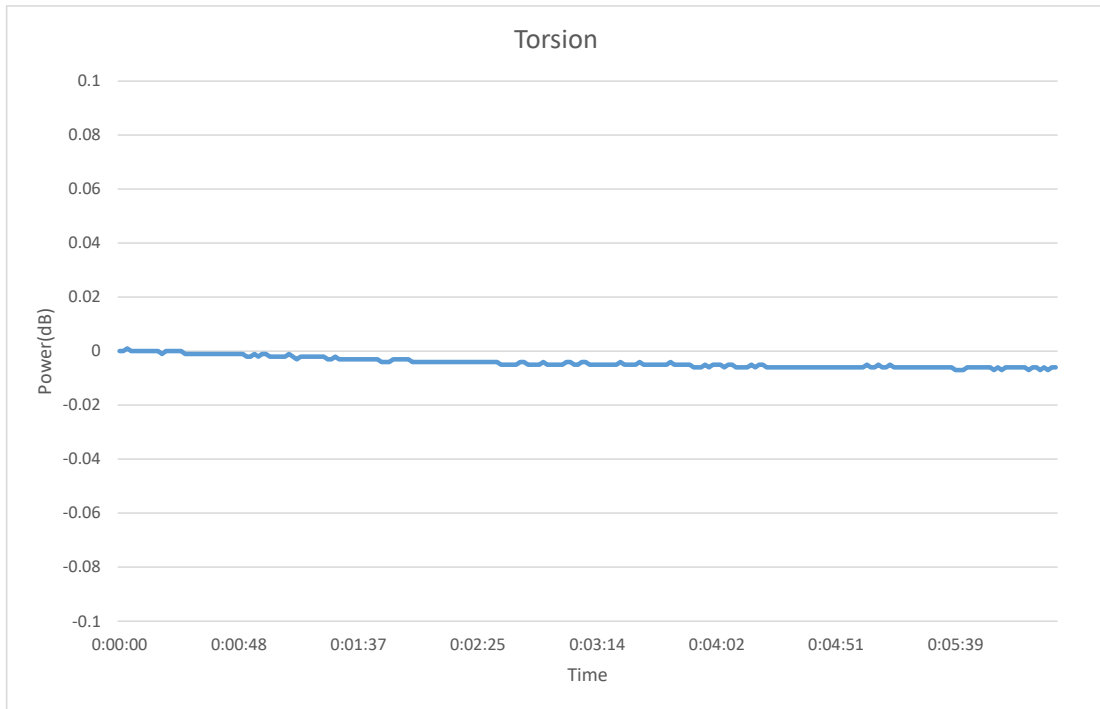


IEC

Set-up Picture



Test results		
Torsion test no.	Length [m]	Max. att. change during test/loop [dB]
1	2	0.007



Date:
12/11/2024

Performed by:
A. Bostina

Approved by:
M. Jianu

Test report

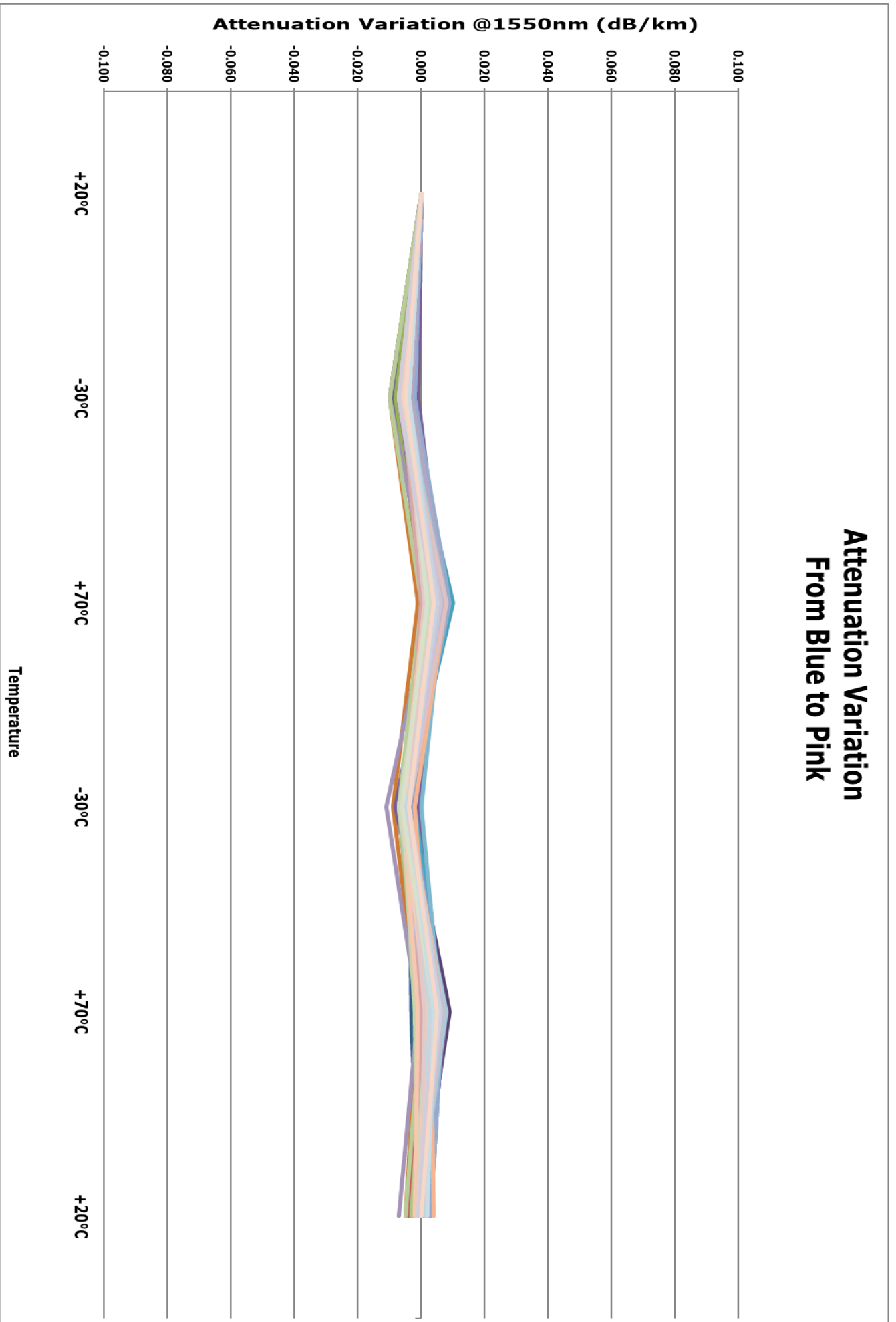
Temperature cycling

Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600-16521978		
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-2 F1		
Length under test:	2650 m		
Looped fibers:	-		
Instruments:	Climatic chamber Angelantoni	Calibration due date	Dec-24
	OTDR PK8000	Calibration due date	Nov-24

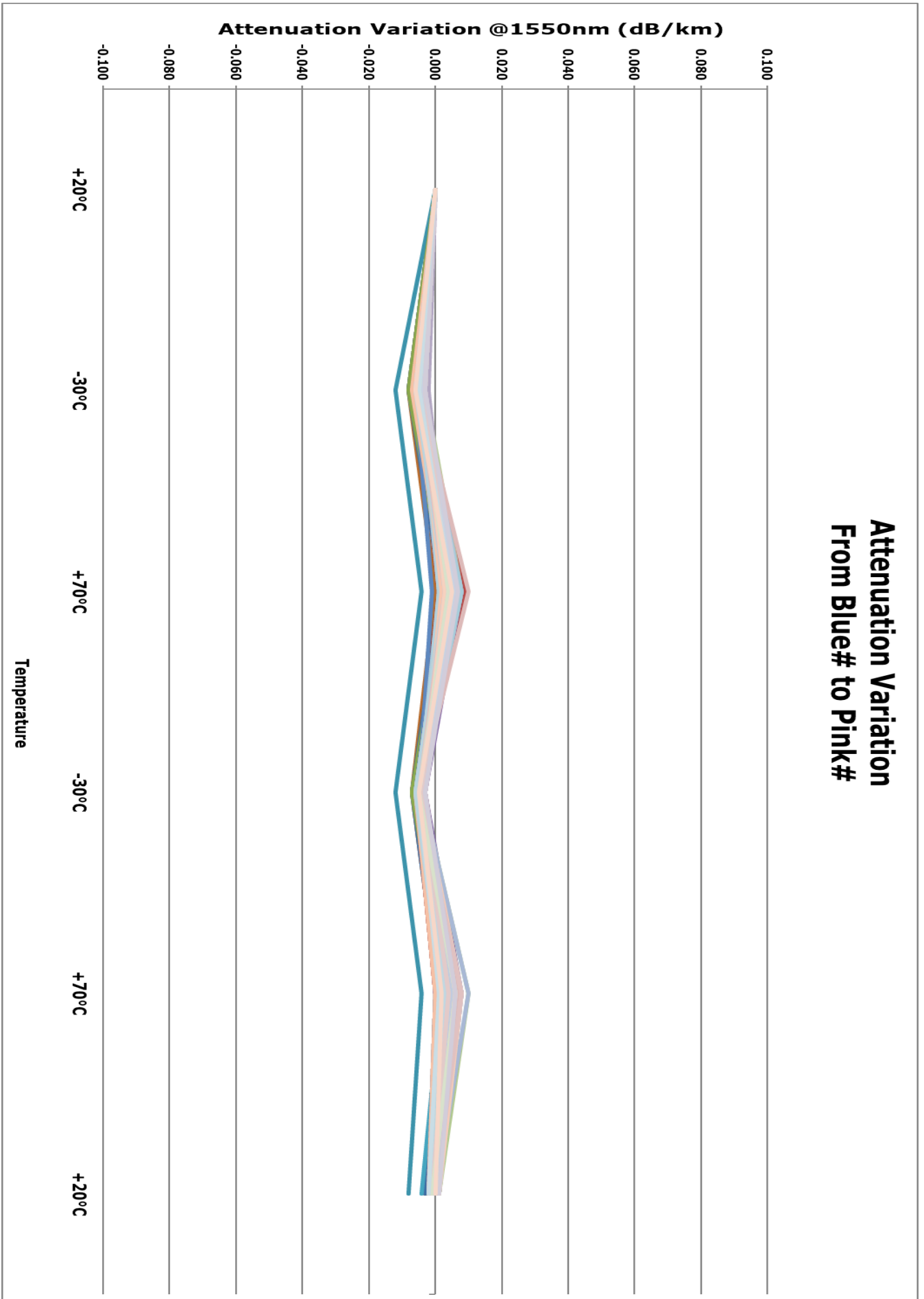
PASS / FAIL CRITERIA: <p style="text-align: center;">-30°C /+70°C ; @1550nm, $\Delta\alpha \leq 0.1$ dB/km;</p>
RESULT: <p style="text-align: center;">See table below</p>
CONCLUSION: <p style="text-align: center; color: green; font-weight: bold;">PASS</p>

Test Results		
Wavelength	Maximum attenuation variation -30°C / +70°C	Average reversibility
	dB/km	dB/km
@1550nm	0.012	0.001

Attenuation Variation From Blue to Pink



**Attenuation Variation
From Blue# to Pink#**



Date:
12/11/2024

Performed by:
C. Mateita

Approved by:
M. Jianu

Test report

Water penetration

Type of cable:	ADSS optical fibre cable 288FO	
Drum no.:	DWP1600 16521978	
Specification:	TC09376	
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina	
Test standard:	IEC 60794-1-2 F5B	
Length under test:	3 m	
Looped fibers:	-	
Instruments:	Water penetration test device	Last Calibration: -

PASS / FAIL CRITERIA:	3 m sample, 1 m water column, no water penetration in 24 hours;
RESULT:	No leakage was observed through cable core after 24 hours;
CONCLUSION:	PASS

Test Results	
Sample No.	Water pen. length [mm]
1	180
2	220
3	240

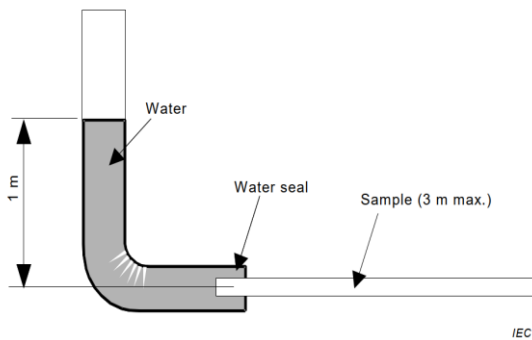
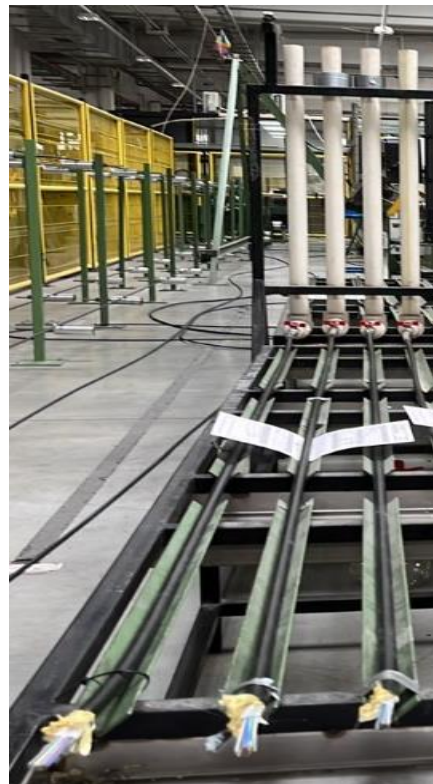


Figure 4 – Test arrangement for method F5B



Date:
12/11/2024

Performed by:
A. Bostina

Approved by:
M. Jianu

Test report

Drip Test

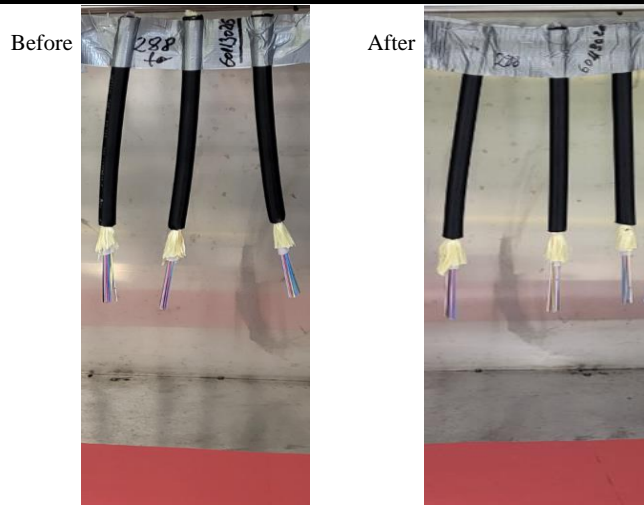
Type of cable:	ADSS optical fibre cable 288FO		
Drum no.:	DWP1600 16521978		
Specification:	TC09376		
Laboratory:	Prysmian Group Cabluri si Sisteme, Slatina		
Test standard:	IEC 60794-1-2 E14		
Length under test:	3 x 0.3 m		
Looped fibers:	-		
Instruments:	Binder Climatic Chamber	Last Calibration:	Aug-23

PASS / FAIL CRITERIA:	
L = 300 mm, specimen in vertical position, T = 75°C, t = 24h;	
RESULT:	
No drop visible on wrapping paper after 24h00	
CONCLUSION:	
PASS	

Test parameters

Test Temperature	75°C	Start at(date/hour) 12.11.2024/12:30
Time of Test	24h00	
Number of samples	3	Stop at(date/hour) 13.11.2024/12:30
Maximum flow quantity	max. 0.050 g	
Prysmian Requirements	no drip // no drop visible on wrapping paper	

Equipement
<ul style="list-style-type: none"> - Binder climatic chamber - Analytical balance(accuracy = 0.0001 g) - Non hygroscopic containers



Result summary				
		Requirement	Result	Pass /Fail
Maximum flow quantity	Sample 1	no drip	no drip	Pass
	Sample 2			Pass
	Sample 3			Pass

Date:
12/11/2024

Performed by:
A. Bostina

Approved by:
M. Jianu