



INSPECTION PROTOCOL

Date of Inspection:	11-15/11/2024
Contract No:	6100047830
Announcement:	01/11/2024 - EK:162182
Equipment Under Test:	TC09376 - 96f, 192f, 288f TC09381 - 4f, 12f
Inspection Procedures and Standard:	As stated in the technical specifications in the contract

1. MATERIALS INSPECTED (sampled):

No.	QUANTITY	MATERIAL DESCRIPTION
1	4km	288 OFs G657.A1 ADSS Flex tube
2	4km	144 OFs G657.A1 ADSS Flex tube
3	4km	96 OFs G657.A1 ADSS Flex tube
4	4km	12 OFs Flexible tube ADSS Drop Cable
5	4km	4 OFs Flexible tube ADSS Drop Cable

2. INSPECTION AND TESTING

All Fiber Optic cables in the table above are tested in Supplier's laboratory according to the following list.

Material description	Tests Performed
TC09376 & TC09381	Tensile performance
TC09376 & TC09381	Impact
TC09376 & TC09381	Crush
TC09376 & TC09381	Repeated Bending
TC09376	Torsion
TC09376 & TC09381	Cable bend
TC09376 & TC09381	Water penetration
288 OFs G657.A1 ADSS Flex tube	External Sheath Marking Abrasion
288 OFs G657.A1 ADSS Flex tube	External Sheath Abrasion
TC09376 & TC09381	Drip test
TC09376 & TC09381	Temperature cycling
Raw material	Endurance to impact at low temp.
Raw material	Endurance to bending at low temp
Raw material	Breaking load after ageing
Raw material	Breaking elongation before ageing

Raw material	Tests on PE (Density, Carbon black, Melt Flow index)
TC09376 & TC09381	Dimensional / Geometrical tests of fiber & cables

Also, all checklists were checked and approved.

3. **OBSERVATIONS:**

The following tests have not been completed and are expected.

Material	Test
Raw material	Resistance of the external sheath to UV rays

4. **INSPECTION CONCLUSION:**

The results of the tests carried out in Supplier's laboratory are acceptable according to the standards specified in the contract and cable datasheets.

There are inspection test reports as well as some technical data sheets and documentation that are expected to be filed.

The Supplier

PPC Inspector