1X7/3.5mm FuturePath – Outer sheath Black			
Sr. No.	Test	Test Method	Specification
A	Test on FuturePath Duct:		
1.	Construction	----	For more information discuss with Stu
2.	Workmanship		External sheath shall be Black & free from visual defects likeblisters, shrink holes, flaking, scratches, groove lines &roughness.
3.	Dimensions of MicroDuct: a) Outside Diameter b) Wall Thickness		a) 7.0 mm +/- 0.1mm b) 1.75 mm +/- 0.1mm
4.	Sheath Thickness		
	Outer Sheath		1.5±0.2 mm
5.	Bundle Color Scheme		For more information discuss with Stu
6.	Minimum Bending Diameter (For field installation)		400 mm
7.	Tensile Performance	IEC 60794-5-20 Clause 7.2	Residual deformation＜ 15% of the MicroDuct at load: weight of 1km Duct - 10min. Rate of Extension ≥ 20mm/min
8.	Bend	IEC 60794-5-20 Clause 7.7	Residual deformation＜ 15% of the MicroDuct Inner & Outer Diameter - at Mandrel Diameter :≤ 40 times the outer diameter of Bundle MicroDuct, 4 turns & 3 cycles
9.	Repeated Bending	IEC 60794-5-20 Clause 7.5	Residual deformation＜ 15% of the MicroDuct Inner & Outer Diameter - at Mandrel diameter: 40 times the outer diameter of Bundle MicroDuct and number of cycles: 25.
10.	Kink Test	IEC 60794-5-20 Clause 7.6	Residual deformation＜ 15% of the MicroDuct Inner & Outer Diameter. Minimum diameter of Bundle MicroDuct : 20 X OD
11.	Crush	IEC 60794-5-20 Clause 7.3	Residual deformation＜ 15% of the MicroDuct Inner & Outer Diameter – at load : 2000N, 1min.- Recovery: 1hr.
12.	Impact	IEC 60794-5-20 Clause 7.4	Residual deformation＜ 15% of the MicroDuct Inner & Outer Diameter – at striking radius 300mm- 3J- Recovery:1hr
13.	MicroDuct root verification test (Ball Pass test)	IEC 60794-5-20 Clause 7.8	Pass Steel ball of Φ 3.0mm in 7/3.5 mm MicroDuct at air pressure 11±0.5 bar.
14.	Friction Test on Primary Tube	GR-3155-CORE	≤0.1