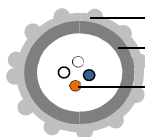


Technical Data Sheet			
Customer Name		Alternetivo	
Document no.		2198	
Reference		Mail Dated 19.10.2020	
Issue no. & Date		00 & 28.10.2020	
Cable Description		2F SM EPFU CABLE	
Specification, If any		YES	
Type of Fibre		Single Mode, G.657A1 (245 Micron)	
Fibre Make		Birla Furukawa	
Model No. / WO No.		NIL	
Cable Cross Sectional Diagram [Drawing not to scale]			
 Plastic Outer Coating Matrix Inner Coating SM Fibres			
Cable Construction details			
No.of Fibres		2 Fibres	
Fibre Colour		Blue & Orange	
No. of Dummy/Filler Fibre & Colour		2, Natural	
Inner Coating		UV Curable Matrix Coating	
Outer Coating		Plastic Coating	
Optical Characteristics			
Attenuation at 1310 nm		≤ 0.40 dB/Km	
Attenuation at 1550 nm		≤ 0.30 dB/Km	
Cable Mechanical Characteristics			
Temperature Range [IEC 60794-1-2-F1]		-40 °C to +60 °C	
Tensile Force [IEC 60794-1-2-E1]		9.81 x W (W=Mass of 1 Km Cable), at 0.6 % Strain	
Repeated Bending [IEC 60794-1-2-E6]		25 Cycle, Bending Diameter 60 mm	
Torsion Resistance [IEC 60794-1-2-E7]		2 Cycle [± 180°] adequate Load to keep the cable Straight, Length under Test-300 mm	
Cable Bending Radius [IEC 60794-1-2-E11 A]		20XD D= Daimeter of Cable	
Crush Resistance [IEC 60794-1-2-E3]		100 N [100 X 100 mm] for 60 sec	
Impact Resistance [IEC 60794-1-2-E4]		Height 0.2 meters, Weight = 100 grams, 3 Nos at different places	
Kink Resistance [IEC 60794-1-2-E10]		60 mm Mandrel Diameter	
Cable Physical Characteristics			
Cable Outer Diameter		1.2 ± 0.1 mm	Cable length per Pan
Nominal Cable Weight		0.9 Kg/Km	6000 meters