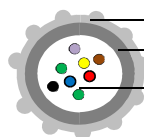


Technical Data Sheet			
Customer Name	Alternetivo		
Document no.	2198		
Reference	Mail Dated 19.10.2020		
Issue no. & Date	00 & 28.10.2020		
Cable Description	8F SM EPFU CABLE		
Specification, If any	YES		
Type of Fibre	Single Mode, G.657A1 (245 Micron)		
Fibre Make	Birla Furukawa		
Model No. / WO No.	NIL		
Cable Cross Sectional Diagram [Drawing not to scale]			
 Plastic Outer Coating Matrix Inner Coating SM Fibres			
Cable Construction details			
No.of Fibres	8 Fibres		
Fibre Colour	Red, White, Yellow, Blue, Green, Violet, Brown & Black		
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]	60 mm Mandrel Diameter, Turns 4, Cycle 3		
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	1.6 ± 0.15 mm	Cable length per Pan	4000 meters
Nominal Cable Weight	1.8 Kg/Km		