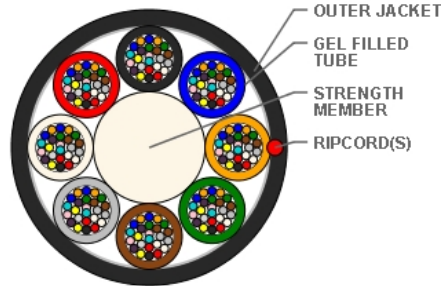


<b>Product Name</b>	: 192F SM (G.657A1[200um]) Nex-Gen Micro Lite Single Sheath [PA] OFC	<b>Date</b>	: 13-Mar-2020
<b>Product Code</b>	: MX0192FS808TGN106		
<b>Revision</b>	: 1.0		

**Product Details**

This cable is typically used in micro duct installation applications. Microcable can utilize in existing and new duct systems more effectively by accommodating more fibres in given subduct network.

**Construction Diagram**



\* Typical Construction Diagram - Not to Scale

**Features & Benefits**

- As compared to conventional cable, Micro Cable diameter is less and thereby reducing installation costs
- Excellent solutions for new and existing duct systems
- Typically blown into micro ducts previously installed into large ducts
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Flexible, light weight, easy to handle & install

**Specifications**

Physical Characteristics	
Fibre Count	192
Fibre Type	Sterlite Fibre ITU-T G.657 A1 200um
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
Individual PMD (ps/sqrt.km)	<= 0.2
Link Design PMD (ps/sqrt.km)	<= 0.1
Fibres per Tube	24
Fibre Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Pink*, Aqua*
Central Strength Member	FRP (Fibre Reinforced Plastic)
No of Tubes in Layer 1	8
Tube Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black
Outer Sheath Material	UV Proof Black Nylon
No of Ripcords Below Outer Sheath	1
Nominal Cable Dimensions (mm)	6.9±0.3
Nominal Cable Weight (kg/km)	48±10%

**Mechanical & Environmental Characteristics**

Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	500
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	500
Impact Strength(Nm)	IEC-60794-1-21-E4	5
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	20 D
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	15 D
Water Penetration Test	IEC-60794-1-22-F5	1m waterhead, 3m samples, 24 h
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 h
Temperature Performance	IEC-60794-1-22-F1	Max. change in attenuation shall be <math>\leq 0.15\text{ dB/km}</math>
Installation		-10°C to +50°C
Operation		-30°C to +70°C
Storage		-40°C to +70°C

**Note :** All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be <math>\leq 0.1\text{ dB/km}</math>

**Cable Performance Standards**

Cable complies to the following standards IEC 60793, IEC 60794, Telecordia GR-20, ITU-T, RoHS, REACH.

**Packing and Lengths**

- Drum Type : Wooden Drums
- Length Multiple (km) :  $6 \pm 5\%$
- Order Tolerance :  $\pm 5\%$
- Short Lengths : Max 5%, Customer Approval

**Printing Details**

Printing : STERLITE SM 192F G657A1 200UM MICRO LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING

**Note** : The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings.

**Revision History**

Revision No.	Date	Description
1.0	13-Mar-2020	Initial Issue

**Prepared By :** Zaid