

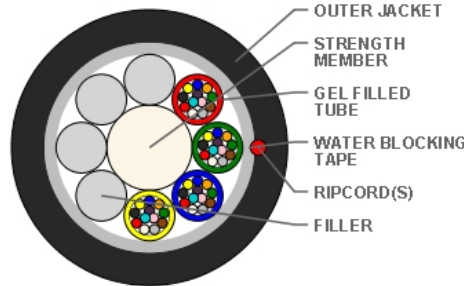
Product Name : 48F SM (G.657A2) Yogonalite Micro Single Sheath OFC
Product Code : YM0048FS204TGL102
Revision : 1.0

Date : 10-Jul-2020

Product Details

This cable is typically used in micro-duct installation applications. Yogonalite Micro Blown cable can be 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 standard Micro cable, Yogonalite Micro Cable diameter is less and thereby reducing installation costs
- Easy peel-off soft-tube solution for fiber access
- SZ stranding of soft-tubes provide an excellent easy mid-span excess
- Typically blown into micro ducts previously installed into large ducts
- Dry Core technology of cable core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Flexible, light weight, easy to handle & install.

Specifications

Physical Characteristics	
Fibre Count	48
Fibre Type	Sterlite Fibre ITU-T G.657 A2
Maximum Cabled Attenuation (dB/km)	1310nm : 0.36 & 1550nm : 0.24
PMD LDV (ps/sqrt.km)	<= 0.1
Fibres per Tube	12
Fibre Color Sequence	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Turquoise, Black, Orange, Pink.
Central Strength Member	FRP (Fibre Reinforced Plastic)
No of Tubes in Layer 1	4
Tube Color Sequence	Red, Green, Blue, Yellow, Filler, Filler, Filler, Filler
No of Fillers	4
Filler Color	Natural
Outer Sheath Material	UV Proof Black LSZH
No of Ripcords Below Outer Sheath	1
Nominal Cable Dimensions (mm)	7.1±0.3
Nominal Cable Weight (kg/km)	47±10%

Mechanical & Environmental Characteristics

Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	400
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	100
Impact Strength(Nm)	IEC-60794-1-21-E4	1
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 ≤ 0.15 dB/km
Installation		-10°C to +70°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 ≤ 0.1 dB/km

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794-5-10, ITU-T, RoHS, REACH.

Packing and Lengths

Drum Type	: Wooden Drums
Length Multiple (km)	: $4 \pm 5\%$
Order Tolerance	: $\pm 5\%$
Short Lengths	: Max 5%, Customer Approval

Printing Details

Printing	: STERLITE SM 48F G657 A2 YOGALITE MICRO LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING
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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	10-Jul-2020	Initial Issue

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