

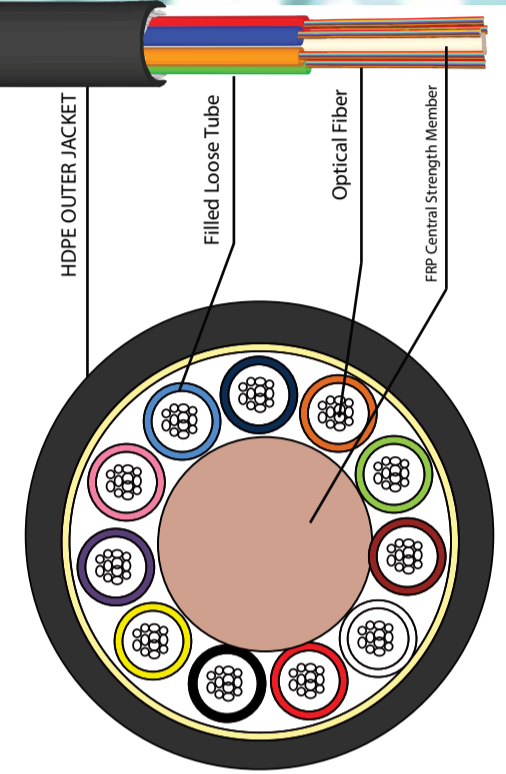


MICRO DUCT FIBER OPTIC CABLES

MICRO DUCT FIBER OPTIC CABLE

Application:

GEC's Micro Duct cables are Condensed and Light weight Cables. The cables have SZ-stranded loose tube construction and provide high fiber counts in limited duct space in long-haul, metro and access networks. The low-friction PE sheath optimized for blowing into microducts. Both the buffer tubes and the fibers contained within are color-coded for quick and easy identification.



Mechanical & Environmental Test References

Tensile Loading And Bending Test	Test method: IEC 60794-1-2, Method E1
Crush Test	Test method: IEC 60794-1-2, Method E3
Impact Test	Test method: IEC 60794-1-2, Method E4
Repeated bending Test	Test method: IEC 60794-1-2, Method E6
Torsion Test	Test method: IEC 60794-1-2, Method E7
Kink	Test method: IEC 60794-1-2, Method E10
Bend	Test method: IEC 60794-1-2, Method E11A
Temperature Cycling	Test method: IEC 60794-1-F1
Water Penetration Test	Test method: IEC 60794-1-2, Method F5B

Features

- 1- Excellent Optical Performance**
- 2- All Dielectric cable construction**
Requires no grounding or bonding
- 3- UV and Micro bend resistant**
Can be installed in Micro ducts
- 4- Condensed and Light weight Cables:**
with reduced diameter suitable for Air blowing installation technique reducing the installation time & manpower.
- 5- Micro technology reduces the cost of**
civil works during installation.

Cabled Singlemode fibres	
Fiber Type	Reference Standards
OS1/OS2	ITU-T G.652D
OS1/OS2	ITU-T G.654
OS1/OS2	ITU-T G.655
OS1/OS2	ITU-T G.656
OS1/OS2	ITU-T G.657 (A1,A2,B1,B2)

GEC optical cables could be supplied with the above standard fibers.

Typical Parameters

Cable Description: Air Blown Micro Cable

Fiber Count	Nominal Diameter (mm)	Nominal Weight (Kg/Km)	Nominal Pulling Force (Newton)	Nominal Crush Resistance (N/10cm)
12F	6	30	500	800
24F	6	30	500	800
36F	6	30	500	800
48F	6	30	500	800
60F	6	30	500	800
72F	6	30	500	800
96F	6.5	45	1,000	800
144F	8	75	1,000	800

* Note: The above parameters are of the standard GEC designs, However GEC can offer customized cable designs as per the requirement.