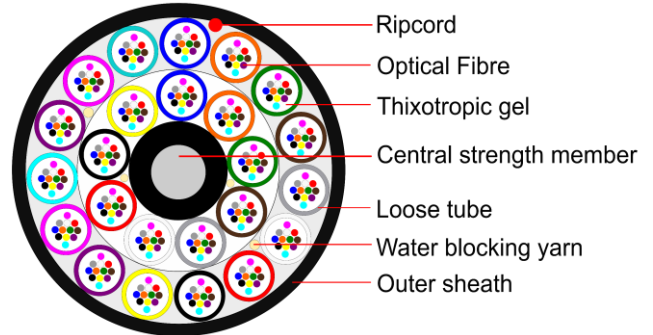


LIGHTspeed Cable Single Mode Micro Blown 288 Fibre

LIGHTspeed Micro Blown fibre is compact and lightweight with a high fiber density designed for air-blown, microduct applications.

Features

- Small diameter
- Thixotropic gel filled loose tubes protects Fibre against expansion and contraction
- Water blocking yarns and tape are applied for cable core water ingress protection
- Excellent tensile, crush and bending resistance
- Optimised for 14/10 & 12/10 Micro Tubes blow- and push-in installation
- High-Density Polyethylene (HDPE)
- Non-metallic construction ensures lightning immunity



Application

- Air-blow- and push-in installation
- Designed for long and short haul applications
- Suitable for duct installations

Cable Structure

- GRP centre strength member
- Thixotropic jelly filled loose tube
- Water blocking yarns and tape
- Ripcords laid beneath the inner sheath
- Sheathed with black High-Density Polyethylene (HDPE)

Cable Structure and Parameter

Item	Unit	Value
Fibre Core		288
Tube diameter	mm	1.25
Fibre per tube		12
Cable diameter	mm \pm 5%	8.1
Cable weight	Kg/km	58
Fibre type		G657A2
Installation tensile resistance		1.2 times 1km cable weight, not less than 800N
Short term crush	N/100mm	500
Life expectancy		25 Years
Min Bend radius for installation	Static	20 x OD
	Dynamic	20 x OD
Temperature Performance range		-20°C to +70°C

Characteristic of Optical Fibre

Attenuation Limits for Individual Fibres		
	Attenuation at 1310nm	0.33 - 0.35 dB/km
	Attenuation at 1550nm	0.19 - 0.20 dB/km
	Attenuation at 1625nm	0.20 - 0.21 dB/km
Mode Field Diameter		
	1310nm	8.8 μm \pm 0.4 μm
	1550nm	9.8 μm \pm 0.5 μm
Glass Geometry		
	Core/Cladding Concentricity Error	\leq 0.5 μm
Coating Geometry		
	Coating diameter	242 μm \pm 7 μm
	Coating/Cladding Concentricity Error	\leq 12 μm

Colour code for Fibre

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Colour code for Tube

Layer 1	1	2	3	4	5	6	7	8	9
	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow

Layer 2	1	2	3	4	5	6	7	8	9
	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow
	10	11	12	13	14	15			
	Violet	Pink	Aqua	Violet	Pink	Aqua			

Ordering Information

Product Code	Description
MEGALSCSUBL288	LIGHTspeed Cable Single Mode Micro Blown 288 (8.1mm)

V 2019/06

