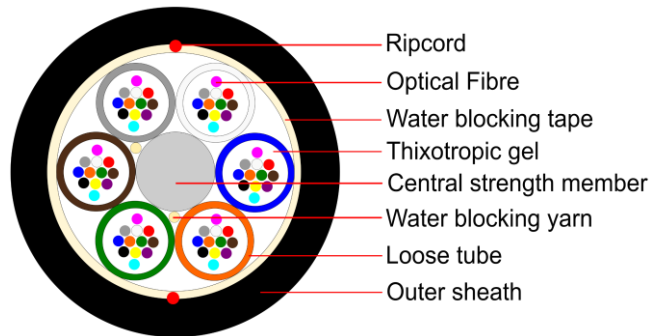


## LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 4-144 Fibre

LIGHTspeed Neo Heavy Duty Duct optic fibre is strengthened by a thicker Glass reinforced plastic (GRP) strength member, suitable for a duct application.

### Features

- Small diameter
- Thixotropic gel filled loose tubes protects Fibre against expansion and contraction
- Excellent tensile, crush and bending resistance
- Optimised for 32 & 40mm sub-duct blow-in installation
- Excellent moisture barrier
- Polyethylene outer sheath contains carbon black for UV protection
- Non-metallic construction ensures lightning immunity



### Application

- 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

Description	Unit	Value							
Fibre Count		4	8	12	24	48	72	96	144
Tube Diameter	mm	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4
Fibre per Tube		4	4	6	6	12	12	12	12
Cable Diameter	mm ±5%	10.2	10.2	10.2	10.2	11.2	11.2	12.6	15.6
Cable Weight	Kg/km	85	85	85	85	105	105	130	200
Fibre Type		G657A1							
Installation Tensile Resistance		1.2 x Cable Weight/Km							
Crush Resistance	N/100mm	2000 (IEC 60794-1-E3)							
Life Expectancy		25 Years							
Bend Radius for Installation (Minimum)	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	≤ 0.35 dB/km
Attenuation at 1550nm	≤ 0.21 dB/km
Attenuation at 1625nm	≤ 0.23 dB/km
Mode Field Diameter	
1310nm	9.1 μm ± 0.4 μm
1550nm	10.3 μm ± 0.5 μm
Glass Geometry	
Core/Cladding Concentricity Error	≤ 0.5 μm
Coating Geometry	
Coating diameter	240 μm ± 5 μm
Coating/Cladding Concentricity Error	≤ 12 μm

### Colour code for Fibre and Tube

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

### Ordering Information

Product Code	Description
MEGALSCSDHDN004	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 4 Fibre
MEGALSCSDHDN008	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 8 Fibre
MEGALSCSDHDN012	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 12 Fibre
MEGALSCSDHDN024	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 24 Fibre
MEGALSCSDHDN048	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 48 Fibre
MEGALSCSDHDN072	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 72 Fibre
MEGALSCSDHDN096	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 96 Fibre
MEGALSCSDHDN144	LIGHTspeed Cable Single Mode Neo Heavy Duty Duct 144 Fibre

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