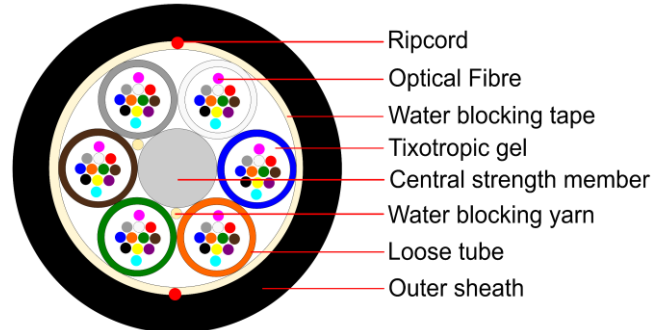


LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 4-48 Fibre

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 design
- Cable core sheathed with HDPE
- Ripcords laid beneath the inner sheath
- Water blocking yarns and tape are applied for cable core water ingress protection

Cable Structure and Parameter

Description	Unit	Value				
Fibre Core		4	8	12	24	48
Tube diameter	mm	2.1	2.1	2.1	2.1	2.4
Fibre per tube		4	4	6	6	12
Cable diameter	mm ±5%	10.2	10.2	10.2	10.2	11.2
Cable weight	Kg/km	85	85	85	85	105
Fibre type		G651-OM2				
Installation tensile resistance	N	1.2 x Cable Weight/Km (1200N Minimum)				
Crush resistance	N	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 850nm	≤ 2.3 dB/km
	Attenuation at 1300nm	≤ 0.6 dB/km
Glass Geometry		
	Core/Cladding Concentricity Error	≤ 1.5 µm
Coating Geometry		
	Coating diameter	245 µm ±7 µm
	Coating/Cladding Concentricity Error	≤ 10 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
MEGALSCMDHDN004	LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 4 Fibre
MEGALSCMDHDN008	LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 8 Fibre
MEGALSCMDHDN012	LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 12 Fibre
MEGALSCMDHDN024	LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 24 Fibre
MEGALSCMDHDN048	LIGHTspeed Cable Multi Mode Neo Heavy Duty Duct 48 Fibre

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