

DATA CABLE-FIBRE OPTIC CABLE

Micro Blown Fibre Optic Cable CB-MC-DFC-02

Cable Description:

Fibre and Buffer Tube Colour Coding:

Fibre and Buffer tubes: TIA / EIA - 578

Fillers: Black (standard) or yellow

Final Sheath Material:

High density polyethylene, UV stabilised with a 2.5% evenly dispersed carbon black. Low smoke zero halogen fire retardant option available on request

Cable Marking:

CBI Telecom - no. of fibres - type of optical fibre - Fibre Optic Cable - length marking - unique identified cable number

Design and Test Criteria:

IEC / ISO 11801

IEC / 60793 and 60794

General Data:

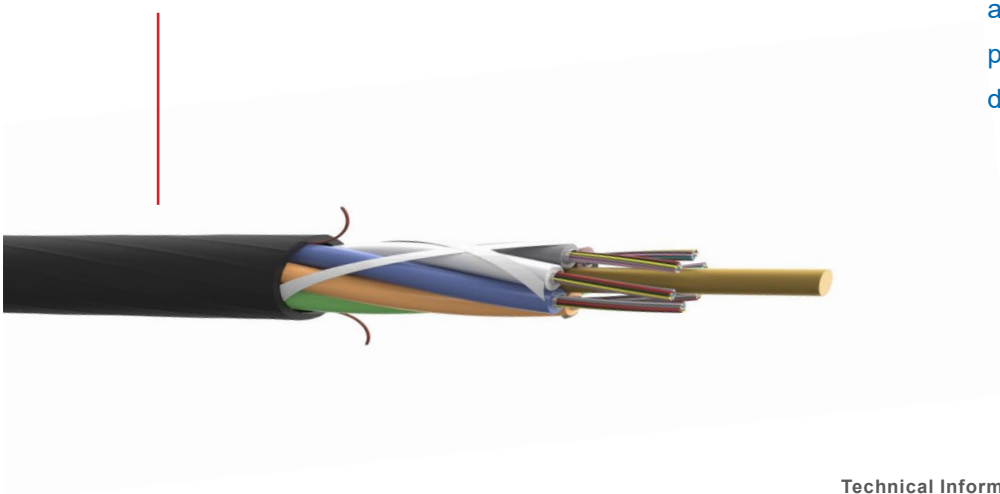
Typical Applications:

Design Optimal balance between stiffness and flexibility required for blown-in or air assisted installations into 10/8 and 12/10mm bundled micro ducts in FTTH and access applications

Loose Tube Design Fully water blocked, using dry water swellable materials for ease of installation

SZ Stranded Loose Tube Design Allows for maximum flexibility while isolating the fibres from installation and environmental rigours and allowing easy mid-span access

Dielectric Cable Requires no bonding or grounding, is lightning immune and the high density polyethylene sheath is rugged, durable and easy to strip



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Product Information:

Optical Characteristics		MMF	SMF	SMF ULTRA
Specification	ISO / IEC11801	OM2/OM3/OM4	OS1/OS2	OS1/OS2
	ITU-T	G651.1	G652D	G657A.1
Fibre Core Diameter	(μm)	50	-	-
Mode Field Material (MFD)	1310/1550nm (μm)	-	9.2 ± 0.4	9.2 ± 0.4
			10.4 ± 0.5	10.4 ± 0.5
Attenuation OM2/OM3/OM4	850nm (dB/km)	<3.0/2.5/2.5	-	-
	1300nm (dB/km)	<1.0/0.7/0.7	-	-
Attenuation (SMF)	1310nm (dB/km)	-	<0.35	<0.34
	1550nm (dB/km)	-	<0.22	<0.18
	1625nm (dB/km)	-	<0.25	<0.20
Bandwith OM2/OM3	850 (MHz.km)	700 / 1500	-	-
	1300 (MHz.km)	500 / 500	-	-
	OM3/OM4	EMBc @ 850nm (MHz.km)	2000 / 4700	-
Dispersion	1310/1550nm (ps/ km)	-	<3.5/18	<3.5/18
PMD _Q	(ps/ $\sqrt{\text{km}}$)	-	0.06	0.06
Refractive Index		1.480 / 1.479	1.467 / 1.468	1.467 / 1.468
Macro-Bend Loss	Radius(mm)/turns/ loss(dB)	37.5 / 100 0.5 / 0.5	-	-
	@ 850 / 1300nm			
	Radius(mm)/turns/ loss(dB)	-	25 / 100 - / 0.05	15 / 10 0.25 / 1.0
	@ 1550 / 1625nm			

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Product Descriptions, Dimensions and Weights:

Product Description	6-72 Fi	96 Fi	144 Fi	Test Method
No. Elements	6	8	12	-
Cable Diameter (mm)	5.4	6.3	8.0	-
Cable Weight (kg/km)	28	38	60	-
Maximum Installation Load (N)	500	500	500	IEC 60794-1-E1
Minimum Bend Radius (long term)	20	20	20	IEC 60794-1-11
Minimum Bend Radius (short term)	12	12	12	IEC 60794-1-11
Crush Resistance (N) (via 100mm plates)	650	650	650	IEC 60794-1-E3
Impact Resistance (Joule)	1 J	1 J	1 J	IEC 60794-1-E4
Temperature Performance (°C)	-10 to 70	-10 to 70	-10 to 70	IEC 60794-1-F1

Complete your Project:

Please select the items you require and we will be in touch

Cables and Wires:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Lighting:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Transformers (Distribution):

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Accessories:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Specific Information:

Address: 4 Branch Road, Germiston 1401, P.O. Box 678, Germiston 1400

For more Information on this Product Please Send us the Following

Product Information:

Product Name:

Quantity:

Project Name:

Date the Product is required:

Your Contact Information:

Name and Surname:

Company:

Email:

Phone Number:

Province:

Thank You

For having a Look at this Product

Please send this PDF back to us with all your Information

Scan the QR Code to visit our Website:

