

DATA CABLE-FIBRE OPTIC CABLE

Blown Optimised Duct Fibre Optic Cable

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% dispersed carbon black

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:

Properties:

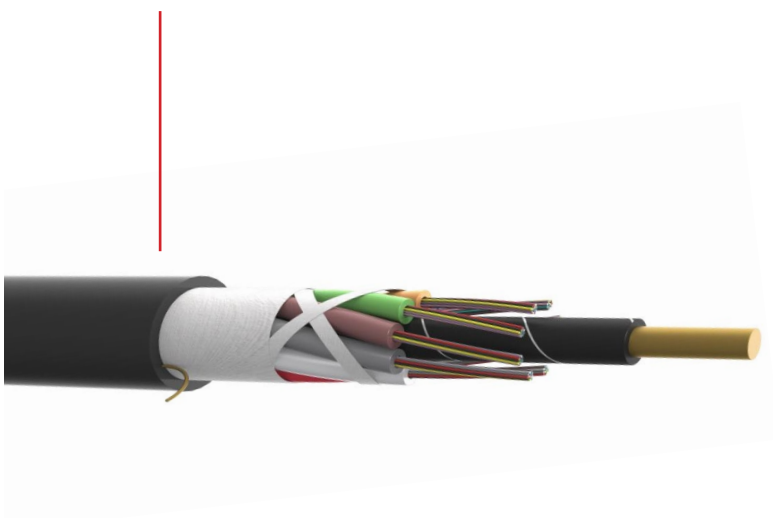
Designed With An optimal balance between stiffness and flexibility for blown-in or air assisted installations into 32, 40 and 50mm sub ducts for access and long haul applications

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

Cable Requires no bonding or grounding, is lightning immune

Sheath Rugged, Durable and easy to strip



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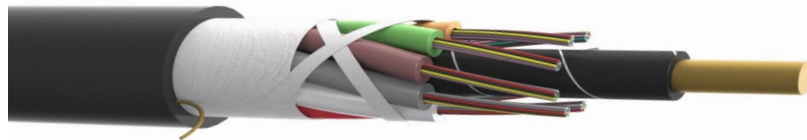
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Product Information:

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/√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) @ 850 / 1300nm	37.5 / 100 0.5 / 0.5	-	-
	Radius(mm)/turns/ loss(dB) @ 1550 / 1625nm	-	25 / 100 - / 0.05	15 / 10 0.25 / 1.0

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Product Descriptions, Dimensions and Weights:

Product Description	6-24 Fi	96 Fi	144 Fi	Test Method
No. Elements	6	8	12	-
Cable Diameter (mm)	10.5	12.0	14.8	-
Cable Weight (kg/km)	85	110	175	-
Static Tensile Strength (EDS)(N)	1200	1200	1200	IEC 60794-1-E1
Dynamic Tensile Strength (N)	1800	1800	1800	IEC 60794-1-E1
Minimum Bend Radius (long term)	20 x D	20 x D	20 x D	IEC 60794-1-11
Minimum Bend Radius (short term)	10 x D	10 x D	10 x D	IEC 60794-1-11
Crush Resistance (N) (via 100mm plates)	3500	3500	3500	IEC 60794-1-E3
Impact Resistance (25mm anvil/10 blows)	2 Nm impact	2 Nm impact	2 Nm impact	IEC 60794-1-E4
Temperature Performance (°C)	-20 to 70	-20 to 70	-20 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:

