

DATA CABLE-FIBRE OPTIC CABLE

FTTX Drop Fibre Optic Cable

Cable Description:

Fibre and Buffer Tube Colour Coding:

Fibre and Buffer tubes: TIA / EIA - 578

Strength Members:

Poly aramid yarns or composite glass oval yarns impregnated with water swellable material

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 - FTTX Drop of FTTX Aerial drop-length marking - unique identified cable number

Design and Test Criteria:

IEC / ISO 11801



General Data:

Typical Applications:

Optimised for Both in duct (8/5mm) and aerial applications up to 50m spans
 Engineered with an optimised SDR mono tube value, the FTTX drop cables exhibit excellent kink resistance up to a ROC of 7.5mm, while having sufficient rigidity to allow for push installations up to 250m in a 8/5mm micro ducts

Materials Resistance to moisture ingress is achieved through dry water blocking aramid materials and the high density polyethylene sheath is UV stabilised for outdoor applications including aerial installations



Technical Information and Photographs from CBI electric

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Product Information:

Optical Characteristics

BIS SMF

Specification	ISO / IEC11801 ITU-T	OS1 / OS2 G.657A.2
Mode Field Diameter (MFD)	1310/1550nm (µm)	8.6 ± 0.4 9.6 ± 0.5
Attenuation (SMF)	1310nm (dB/km) 1550nm (dB/km) 1625nm (dB/km)	0.35 0.22 0.24
Dispersion	1310/1550nm (ps/km)	< 3.5 / 18
PMD _Q	(ps/√km)	0.06
Refractive Index		1.467 / 1.468
Macro-Bend Loss	Radius(mm)/turns/loss(dB) @ 1550 / 1625nm Radius(mm)/turns/loss(dB) @ 1550 / 1625nm	7.5 / 1 / <0.4 7.5 / 1 / <0.8 15 / 10 / <0.03 15 / 10 / <0.1

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Product Descriptions, Dimensions and Weights:

Product Description	2 to 12 Fi (8/5mm) Micro Duct	2 to 12 Fi Aerial Drop	Test Method
Cable Diameter (mm)	3.4	4.1	-
Cable Weight (kg/km)	9.5	15.2	-
Maximum Installation Load (N) ($<0.45\%$ fibre strain)	100	350	IEC 60794-1-E1
Minimum Bend Radius (mm) (short term)	25	12	IEC 60794-1-11
Minimum Bend Radius (mm) (long term)	40	30	IEC 60794-1-11
Crush Resistance (N) (3 impacts spaced 100mm apart)	100	650	IEC 60794-1-E3
Impact Resistance (3 impacts spaced 100mm apart)	1 J	1 J	IEC 60794-1-E4
Torsion (10N load)	10 cycles	10 cycles	IEC 60794-1-E7
Repeated Bending (100N load; $R = 20 \times D$)	50 cycles	50 cycles	IEC 60794-1-E7
Temperature Performance ($^{\circ}\text{C}$)	-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:

