CASALINK BLOCK TERMINAL (CBT) DROP CABLES®

Product Design

Product code – see tables below

TV06051

-not to scale-

DESIGN & CONSTRUCTION ACCORDING TO IEC/EN 60794

- **Optical fibre:** 250µm single-mode.
- **Tube:** thermoplastic material, containing between 1 and 24 single-mode optical fibres and filled with a suitable water tightness compound.
- **Strength member:** 3 x 0.32mm brass plated steel wires.
- **Longitudinal water tightness:** water swellable materials (core only).
- **Outer sheath:** UV resistant HDPE.
- **Grooves/Stripes:** Indicate planes for easy sheath removal.

PRODUCT DESCRIPTION

This loose tube optical drop cable is designed for aerial and/or duct applications and is suitable for use under 11 kV power cables. Please refer to our General Installation(Datasheet Ref: CIG059) and Safety & Handling recommendations (Generic Optical cable MSDS – Datasheet Ref:9980-02-1) before handling.

Cable is suitable for Openreach PIA approval when tested together with tension clamps from PLP Preformed Line Products (item code FODE 5709060R) and fibre locking bollards from OPT Services Ltd (item code T0216).

Technical data

No. of Fibres		1	2	4	8	12	24
Layout	-	Single central tube					
Unit Diameter - ø	mm	2.2					
Sheath Thickness	mm	1.6					
Cable Diameter - ø	mm	6.0					
Cable Weight	Kg/km	32				33	
MIT (Maximum Installation Tension)	N	150					
MAT (Maximum Allowable Tension)	N	1200					
Breaking Load	N	1350-2000					
Minimum Setting Diameter	mm	120					
Temperature Range	℃	Transport & Storage: -40 → + 70		Installation: -20 → +45		Operation: -20 → +60	

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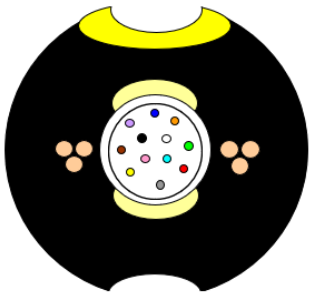
Cable Design – TC06051

DESIGN & CONSTRUCTION

- **Optical fibre:** Single-mode G.657.A1
- **Strength member:** 3 x 0.32mm brass plated steel wires.
- **Tube:** Thermoplastic material, containing between 1 and 12 single-mode optical fibres and filled with a suitable water tightness compound.
- **Longitudinal water tightness:** Water swellable elements (dry core only).
- **Outer sheath:** HDPE, 2 Ripcords beneath the sheath.
- **Grooves/Stripes:** Indicate planes for easy sheath removal.

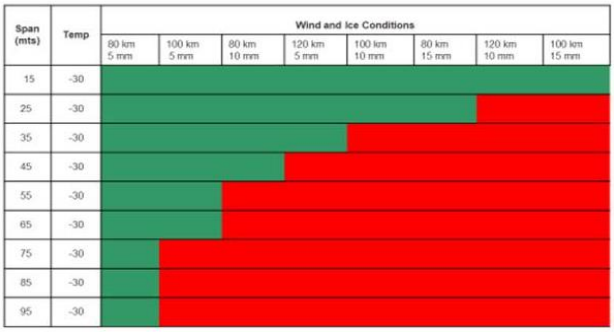


The design above shows 12 fibre, the drop cable only contains 1 fibre.

Cable description

This loose tube optical drop cable is design for aerial and/or duct applications and is suitable for use under 11kV power cables. The cable has a break load of 1800N and a maximum aerial span length of 95M. The table below shows the ice and wind loading for this cable. The cable also has Openreach PIA approval, when using specified clamps as per page 1.

Layout		Single central tube	
Loose tube Ø	mm	2.2	
Strength member	mm	3 x 0.32mm brass plated steel wires	
Sheath thickness	mm	1.6	
Cable Diameter	mm	6.0	
Cable Weight	Kg/km	32	
Maximum InstallationTension	N	1200	
Maximum Breaking Load	N	1800	
Minimum Setting Diameter	mm	120	
Temperature Range	℃	Installation: -20 → +60	Operation: -20 → +60



CASALINK BLOCK TERMINAL (CBT) DROP CABLES®

Part Numbers for CBT Drops using cable TC06051

Single end terminated

Part Number	Length
XPCSC01745	10M
XPCSC01138	20M
XPCSC01156	22M
XPCSC01139	25M
XPCSC01140	30M
XPCSC01157	33M
XPCSC01141	35M
XPCSC01142	40M
XPCSC01143	45M
XPCSC01144	50M
XCPSC01158	55M
XPCSC01214	65M
XPCSC01459	80M
XPCSC01215	105M
XPCSC01460	120M
XPCSC01159	160M
XPCSC01746	250M
XPCSC01680	350M

CASALINK BLOCK TERMINAL (CBT) DROP CABLES®

Part Numbers for CBT Drops using cable TC06051

Terminated both ends

Part Number	Length
XPCSC01179	20M
XPCSC01180	40M
XPCSC01181	80M
XPCSC01182	120M
XPCSC01183	160M