

OPTITAP PRECONNECTORISED DROP CABLE[®]

Product Design

Product code – see tables below



DESIGN & CONSTRUCTION

- The cables are supplied in a coil.
- Terminated with an SC or LC or MPO hardened fibre optic connector (HFOC).
- The cable assembly can be equipped with only one connector at one end, or one connector at both ends.
- Available in a range of lengths from 30M to 500M.
- A range of cable constructions can be used.
- OptiTap[®]-drop cable.

PRODUCT DESCRIPTION

The Preconnectorised OptiTap[®]- drop cables are available in various lengths using various cable designs to suit the local market. A variety of connector options are available, including Hardened MPO, LC and SC (OptiTap[®]-drop cable). Either cable ends can be pre-terminated with hardened connector solutions or standard connectors (SC or LC or MPO). The HDPE cable has passed PIA approval testing when using tension clamps from PLP, Dexgreen and Telenco

Connector Specifications - Technical data

Hardened Connectors




Standard Connectors



Connector Type	Insertion Loss	Return Loss	Insertion Loss	Return Loss
SC/APC	0.3 dB	60 dB	0.3 dB	60 dB
LC/APC	0.3 dB	60 dB	0.3 dB	60 dB
MPO	0.35 dB	60 dB	0.35 dB	60 dB

HDPE 5mm OD round cable



- not to scale -

CABLE DESIGN

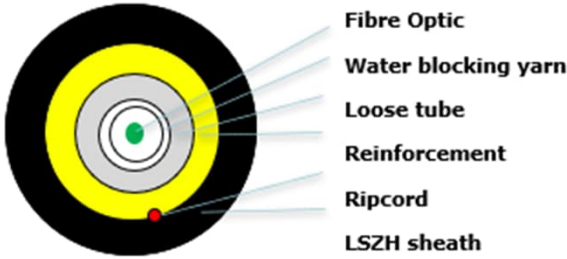
According to IEC/EN 60794

- Optical Fibre: BendBright™ XS single-mode fibre.
- Secondary Coating: 0.9 mm PA coated (tight).
- Longitudinal Water Tightness: water swellable materials (dry core).
- Strength Members: glass fibre reinforced plastic material (GRP).
- Outer Sheath: UV stabilised black polyethylene.

Technical data

No. of Fibres		1		4	
Loose Tube - Ø	mm	1.5 ± 0.2		2.2 ± 0.2	
Cable Diameter	mm	5.0 ± 0.1			
Cable Weight	Kg/km	17 ± 5			
Minimum Bending Radius	mm	Static 10 x Cable-Ø		Dynamic 20 x Cable-Ø	
Temperature Range	°C	Installation - 5 to + 60	Transport & Storage - 40 to + 70		Operation - 25 to + 70

LSZH 5mm OD round cable



Cable

- **Fibre Type:** single mode G.657A2.
- **Loose Tube:** PBT, white.
- **Ripcord:** Aramid or Polyester
- **Reinforcement:** Aramid + water resistant yarn.
- **Sheath:** Black UV resistant LSZH.

Technical data

No. of Fibres		1		
Loose Tube - Ø	mm	2.0 ± 0.2		
Cable Diameter	mm	5.0 ± 0.3		
Cable Weight	Kg/km	30 ± 5		
Minimum Bending Radius	mm	Static 10 x Cable-Ø		Dynamic 20 x Cable-Ø
Temperature Range	°C	Installation - 5 to + 60	Transport & Storage - 40 to + 70	Operation - 25 to + 70

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Part Numbers

Part Number	Length	Cable Type	Connector 1	Connector 2
XPCSC02655	10M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02536	35M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02656	50M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02537	65M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02657	100M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02538	105M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02658	150M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02539	160M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02540	200M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02659	250M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None
XPCSC02541	350M ± 3%	HDPE 5mm 1FO	OptiTap [®]	None

Packing specification

For lengths upto 160M the optitap drop cables are supplied on cardboard coils with an internal diameter of 278mm and an Outside diameter of 380mm. For lengths over 160mm are supplied on a wooden bobbins that has a diameter of 400mm and a width across flanges of 160mm.

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