

# OptiTap<sup>®</sup> Compatible Preconnectorized Drop Cable

**Prysmian**

A Brand of Prysmian Group

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<sup>®</sup>-compatible

## Product Description

The Preconnectorised OptiTap<sup>®</sup>-compatible 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<sup>®</sup>-compatible). Either cable ends can be pre-terminated with hardened connector solutions or standard connectors (SC or LC or MPO).

## 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

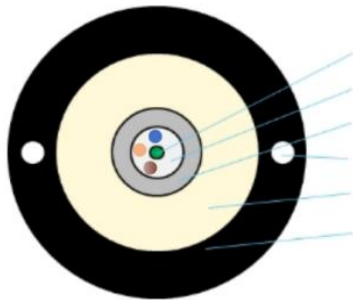
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## Cable Design

### HDPE 5mm OD round cable



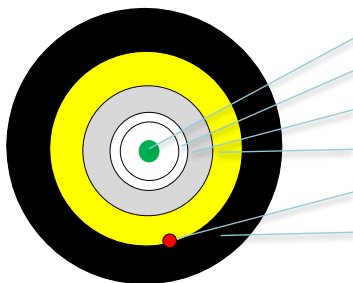
**Fibre Optic**  
**Infilling**  
**Central tube**  
**Strength member**  
**Reinforcement**  
**Sheath**

- **Fibre Type:** single mode G.657A2, 250um fibre optic
- **Central Tube:** PBT, white
- **Reinforcement:** Aramid + water resistant glass yarn
- **Strength member:** GRP (Glass-fibre Reinforced Polymer)
- **Sheath:** Black UV resistant HDPE

### Technical data

No. of Fibres		1		4	
		Loose Tube - Ø	mm	1.5 ±0.2	
Cable Diameter	mm	5.0 ±0.3			
Cable Weight	kg / km	27 ±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



**Fibre Optic**  
**Water blocking yarn**  
**Loose tube**  
**Reinforcement**  
**Ripcord**  
**LSZH sheath**

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

Prysmian Part Number	Length	Cable Type	Connector 1	Connector 2
TBD	50M	LSZH 5mm 1FO	OptiTap® Compatible	None
TBD	80M	LSZH 5mm 1FO	OptiTap® Compatible	None
TBD	150M	LSZH 5mm 1FO	OptiTap® Compatible	None
TBD	220M	LSZH 5mm 1FO	OptiTap® Compatible	None
TBD	50M	HDPE 5mm 1FO	OptiTap® Compatible	None
TBD	80M	HDPE 5mm 1FO	OptiTap® Compatible	None
TBD	150M	HDPE 5mm 1FO	OptiTap® Compatible	None
TBD	220M	HDPE 5mm 4FO	OptiTap® Compatible	None