	Technical Instruction	Transmission
---	------------------------------	---------------------

Title: **TECHNICALLY APPROVED
FIBRE OPTIC CABLE AND
HARDWARE OEMS**

Unique Identifier: **240-170000666**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Technical Instruction**

Revision: **1**

Total Pages: **4**

Next Review Date: **N/A**

Disclosure Classification: **Controlled
Disclosure**

Compiled by



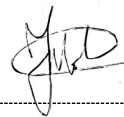
**Vanessa Naidu
Senior Engineer**

Functional Responsibility



**Bharat Haridass
Senior Consultant**

Authorized by



**Faith Makhonoana
Senior Manager Line
Engineering Services
(Acting)**

Date: 27/09/2021

Date: 27/09/2021

Date: 27/09/2021

Content

	Page
Information.....	3
Revision history	3
1. Background	3
2. Approved Fibre Optic Cables.....	3
2.1 OPGW.....	3
2.2 ADSS	3
2.3 DUCT	4
3. Approved Overhead Line Hardware for Fibre Optic Cables	4

Tables

Table 1: OPGW Manufacturers	3
Table 2: ADSS Manufacturers.....	4
Table 3: DUCT Manufacturers	4
Table 4: Fibre Optic Cable Hardware Manufacturers	4

Information

This Engineering Bulletin contains technical information relating to the approved fibre optic cable original equipment manufacturers and related overhead hardware.

Revision history

Date	Rev	Compiler	Remarks
Sept 2021	1	V. Naidu	Requirement for business

1. Background

Since 2009, Eskom has had approved contracts for the supply of OPGW (Optical Ground Wire), ADSS (All Dielectric Self-Supporting) and DUCT fibre optic cables as well as the associate overhead line hardware. The full commercial process was followed to enable these contracts which included full desktop and factory visits of the OEMs (original equipment manufacturers). The following OEMs are the Eskom technically approved cable and hardware manufacturers as per the previous commercial processes followed.

Note: Any Tender process should still ensure that Eskom's technical specifications are still met even when utilising these manufacturers.

2. Approved Fibre Optic Cables

2.1 OPGW

The following OPGW cable manufacturers were evaluated and were technically compliant:

Table 1: OPGW Manufacturers

Name	OPGW kA Ratings	Contact
Prysmian Spain	16	Ali Osman KORKUT Cell: +27 66 482 6341 Email: ali.korkut@prysmiangroup.com
ZTT China	5, 10, 12, 16, 18, 21	Gordon Jiang Cell: +27 83 324 1888 Email: gordon@goldendynasty.co.za

2.2 ADSS

The following ADSS cable manufacturers were technically compliant:

CONTROLLED DISCLOSURE

Table 2: ADSS Manufacturers

Name	Type of ADSS	Contact
CBi South Africa	Long Span as per NRS 078 -1	Paul Van Zyl Email: pvzyl@cbitele.com
M-Tec South Africa	Long Span as per NRS 078 -1	Rose Setai Phone: +27 (16) 450 8321 Email: roses@m-tec.co.za

2.3 DUCT

The following ADSS cable manufacturers were technically compliant:

Table 3: DUCT Manufacturers

Name	Type of DUCT	Contact
CBi South Africa	Unarmoured Heavy Duty Duct as per NRS 088-1	Paul Van Zyl Email: pvzyl@cbitele.com
M-Tec South Africa	Unarmoured Heavy Duty Duct as per NRS 088-1	Rose Setai Phone: +27 (16) 450 8321 Email: roses@m-tec.co.za

3. Approved Overhead Line Hardware for Fibre Optic Cables

The following Hardware manufacturer was technically compliant:

Table 4: Fibre Optic Cable Hardware Manufacturers

Name	Type of Hardware	Contact
PLP South Africa	All assemblies, joint boxes, etc associated with attaching OPGW and ADSS to Eskom Tower Structures	David Muller Cell: +27 82 610 8089 Email: DavidM@preformedsa.co.za

CONTROLLED DISCLOSURE