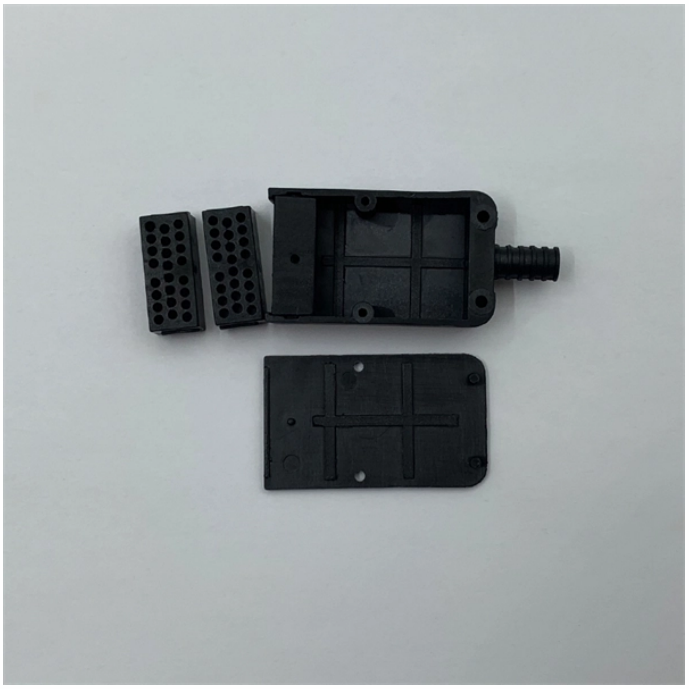
Classification Standards for Aerial Optical Cable Guys

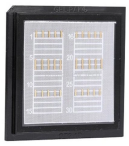


Overview

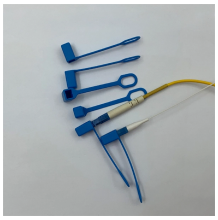
89 describes the general requirements and a design guide for suspension wires, telecommunication poles and guy-lines that support aerial cables for optical access networks. This Recommendation also describes loads applied to the infrastructures. All Telecommunications Borrowers RUS Telecommunications Staff Date of Approval Seven years from effective date PREVIOUS INSTRUCTIONS: This bulletin replaces RUS Telecommunications Engineering & Construction Manual (TE&CM) Section 650, Guys and Anchors on Wire and Cable Lines, Issue 4, dated. (a) Where more than six pairs are needed initially, and where an aerial service is necessary, the service shall consist of 22 AWG filled aerial cable of a pair size adequate for the ultimate anticipated service needs of the building. The cable shall comply with the requirements of § 1755. 390, RUS. Installing Cable, One Pole at a Time. See Bakaert Strand chart for example of weights and breaking strength. For 26M guy size, use 1 10M guy and 1 16M guy Guys placed at corner angles of 60 degrees or less should be installed at the bisect of angle, unless double-deadend is required for other reasons.

© 2026 Indzawo Optic Connect - All rights reserved

Classification Standards for Aerial Optical Cable Guys

	“FIGURE 8” FIBRE OPTIC AERIAL CABLES. These cables are self supporting cables with an integrated messenger wire in the cable sheath. The messenger gives the cable a sufficient tensile strength and ...
	BICSI G2.2-22 provides installation methods and instructions for installing OSP cable within aerial pathway. Within this 150 page standard, both lashing of cable and installation of self-supporting cable ...
	This document provides technical specifications for the aerial installation of fiber optic cable (FOC) networks. It outlines PLDT standards for pole line hardware, including concrete poles, pole clamps, ...
	Aerial service cable shall be spliced to the main cable in accordance with § 1755.200, RUS standard for splicing copper and fiber optic cables. (4) Where practicable, aerial cable shall pass under electrical ...
	Guys placed at corner angles of 60 degrees or less should be installed at the bisect of angle, unless double-deadend is required for other reasons. Two head guys (double-deadend) required at corners ...

© 2026 Indzawo Optic Connect - All rights reserved



1.1 This bulletin discusses in particular the guying and anchoring of aerial plant using filled copper and fiber optic cables and filled, self-supporting fiber optic cables.



Aerial service cable shall be spliced to the main cable in accordance with § 1755.200, RUS standard for splicing copper and fiber optic cables. (4) Where practicable, aerial cable shall pass under electrical ...



Recommendation ITU-T L.89 describes the general requirements and a design guide for suspension wires, telecommunication poles and guy-lines that support aerial cables for optical access networks. ...



Polyethylene (PE) is the material of choice for use as an aerial OSP cable jacket. The performance of raw PE can degrade rapidly through exposure to sunlight but the addition of carbon black to the ...



Refer to the cable specification sheet for the specific allowed tension for each cable. Coils are required for all ribbon gel-free and gel-filled armor cables that are in a butt-type closure any other closure, or ...

© 2026 Indzawo Optic Connect - All rights reserved

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

© 2026 Indzawo Optic Connect - All rights reserved