

CTE 46 - Cabos, fios e guias de onda para equipamento de telecomunicações

Entidade Coordenadora: ONS ICP-ANACOM

Âmbito de Actividades:

- Preparação de normas relacionadas com condutores, cabos simétricos, cabos coaxiais com condutores metálicos, guias de onda, ligadores para frequências radioelétricas e acessórios para sistemas e equipamentos de transmissão analógica e digital para telecomunicação, transmissão de dados, radiofrequência, comunicação vídeo e sinalização.

Acompanhamento da Actividade Normativa Internacional/Europeia:

| Identificação do Comité | | âmbito |
|-------------------------|---|--|
| IEC/TC 46 | CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, R.F. AND MICROWAVE PASSIVE COMPONENTS AND ACCESSORIES | To establish and maintain standards for the terminology, design, characteristics, related test methods and procedures for quality assessment of metallic conductors, wires, waveguide, r.f. connectors, r.f. and microwave passive components and accessories for analogue and digital transmission systems and equipment for communication networks and cabling Note: Magnetic components and ferrite devices covered by the scope of TC 51 will not be dealt with by this technical committ |
| IEC/SC 46 A | COAXIAL CABLES | To be responsible for the preparation and maintenance of standards for coaxial cables and cable assemblies for analogue and digital transmission systems. Currently these are for general purpose and R.F. cables of rigid, semi-rigid and flexible construction used on transmission lines, cabled distibution and other similar systems. |
| IEC/SC 46 B | <u>Disbanded - WAVEGUIDES AND THEIR ACCESSORIES</u> | To establish and maintain standards for the design, the characteristics, the related test methods, and the procedures for the quality assessment of metallic waveguides and their associated flanges and related accessories. |

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| IEC/SC 46 C | WIRES AND SYMMETRIC CABLES | <p>To establish and maintain standards for wires and symmetric cable pairs and quads for analogue and digital transmission systems and equipment for communication and signalling. These standards may include the following:</p> <ul style="list-style-type: none"> - general cable construction, - electrical characteristics, - transmission characteristics, - mechanical characteristics, - environmental characteristics, - related test methods and requirements, - quality assessment procedures. |
| IEC/SC 46 D | <u>RF AND MICROWAVE PASSIVE COMPONENTS</u> | <p>Standardization of r.f. & microwave passive components used in networks and cabling, including test methods for electrical, mechanical and environmental characteristics as well as product standards. Magnetic components and ferrite devices covered by the scope of TC 51 will not be dealt with by this committee.</p> |

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| CENELEC/TC 46 X- CLC/TC 46X – | Communication cables | To establish standards related to wires, symmetric cables, coaxial cables and waveguides with metallic conductors for use in telecommunication, data transmission, radio frequency, video communication and signalling equipment to satisfy the advances in developing technologies. Particular requirements for materials, if necessary, will be evaluated in liaison with other technical committees. |
| SC 46XA | Coaxial cables | To establish and maintain European standards regarding coaxial cables for use in telecommunication, data transmission, radio frequency, video-communication and signalling equipment |
| SC 46XC | Multicore, multipair and quad data communication cables | To produce European Cable Specifications for multicore and symmetrical pair/quad cables used in digital and analogue communication systems such as ISDN, LAN and data communication systems. According to the installation considerations, five categories of cables are to be considered: 1. equipment cables, 2. work area cables, 3. horizontal floor wiring cables, 4. riser cables, 5. campus cables. |
| TC 46D - | RF connectors | To prepare and maintain specifications for coaxial and other screened RF connectors and RF connector/cable assemblies in |

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| CLC/TC 46D | | accordance with the requirements of document CECC 00 111, for use within the CECC system for the quality assessment of electronic components. |