

# IS 14255:1995 Aerial bunched cables - For working voltages up to and including 1100 Volts - Specification

## Overview

This standard specifies requirements for aerial bunched cables for working voltages up to and including 1100 volts. The aerial bunched cables are Polyethylene/crosslinked polyethylene insulated cables with aluminium conductors twisted over a central bare/Insulated aluminium alloy messenger wire for use as overhead distribution feeders in three-phase AC systems, either earthed or unearthed. The messenger wire supports the weight of the cable and can also serve as the earth-cum-neutral wire.

## Requirements

The standard covers requirements for the conductors, insulation, construction, and testing of these cables. The standard refers to IS 8130:1984 'Conductors for insulated electric cables and flexible cords' for the requirements specific to conductors and IS 10810 'Methods of test for cables' series of standards for the test methods.

This standard also includes details of the materials, terminology, and classification of tests. The document provides tables outlining the properties of the insulation, size and requirements of the messenger conductor, and the thickness of insulation. Lastly, the document describes the identification, packing, and marking procedures for these cables.