

Tentative Specifications for

INSULATED WIRE AND CABLE: OZONE-RESISTANT TYPE INSULATION¹



A.S.T.M. Designation: D 574 - 46 T

ISSUED, 1940; REVISED, 1946.²

These Tentative Specifications have been approved by the sponsoring committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard. Suggestions for revisions should be addressed to the Society at 1916 Race St., Philadelphia 3, Pa.

Scope

1. (a) These specifications cover wire and cable insulated with a vulcanized rubber or rubber-like compound known commercially as ozone-resistant type insulation. This type of insulation is suitable for use for all sizes and classes of single and multiple conductor cables which are to be used for the transmission and distribution of electrical energy, either underground, submarine, aerial, or indoor power cable, under normal conditions of installation, and operating at not over 17,000 v. between phases on an ungrounded neutral system or 28,000 v. between phases on a grounded neutral system.

(b) Except for the insulation, cable supplied under these specifications, unless otherwise specified by the purchaser, shall conform to the Tentative Specifications for Insulated Wire and Cable: Class AO, 30 per cent Hevea

Rubber Compound (A.S.T.M. Designation: D 27).³

Information to be Supplied by Purchaser

2. When requesting proposals from cable manufacturers, the prospective purchaser shall furnish certain information by filling out a form similar to the following:

A. Characteristics of system on which cable is to be used:

(1) Kind of current, alternating (a. c.), or direct (d. c.).

(2) Frequency, cycles.

(3) Normal operating voltage between phases.

(4) Number of phases and conductors. If series lighting, give open circuit voltage and if system is operated with or without protectors.

(5) Whether operated with neutral solidly grounded, grounded through resistance or reactance, or ungrounded. If grounded through resistance or reactance, state the amount of same.

(6) Minimum temperature at which cable will be installed.

¹ Under the standardization procedure of the Society, these specifications are under the jurisdiction of the A.S.T.M. Committee D-11 on Rubber and Rubber-Like Materials.

² Revision accepted by the Administrative Committee on Standards, September 9, 1946.

³ Appears in this publication, see Contents in Numeric Sequence of A.S.T.M. Designations at front of book.