

## **Cryphaeaceae**

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*Plants* green, yellowish green to brown or dark brown, slender to robust, in loose or dense tufts. *Primary stems* creeping; secondary stems erect or prostrate, irregularly branched or pinnately branched; pseudoparaphyllia sometimes present. *Leaves* ovate at the base, concave, not plicate, gradually narrowed, with short or long slender apices, slightly decurrent at the base; margins plane, serrulate near the apex; costae single, ending below the apex; leaf cells oval or elliptical, regularly arranged; basal and marginal cells quadrate, thick-walled, smooth. *Autoicous*. *Perigonia* lateral; perichaetia on the tips of short branches; perichaetial leaves erect, inner perichaetial leaves larger, sheathing at the base, with or without costae; cells linear. *Setae* short; capsules erect, symmetric; opercula conic at the base, shortly apiculate, rarely shortly rostrate; annuli differentiated; stomata superficial, few; peristome mostly double; exostome teeth 16, lanceolate, pale yellowish, papillose, not striolate at the base, not distinctly trabeculate on inner surface; endostome segments linear-lanceolate or linear, rarely keeled or perforate; basal membrane low; cilia none. *Calyptrae* small, mitrate, rarely cucullate, somewhat roughened, rarely smooth. *Spores* spherical, medium-sized to large, smooth or papillose.