Species of Sphacelaria for Britain and Ireland version 1.0 (compiled by F. Bunker April 2011)

Draisma *et al* (2010)	Hardy and Guiry (2003)	Russell (unpublished key)	Newton (1931)	Illustrations / Photos	Notes from Hardy and Guiry supplemented from other texts
Sphaceloderma caespitula	*Sphacelaria caespitula*	*S. caespitula*	*S. caespitula*	Kornmann & Sahling (1977)	Rare northern subtidal species forming smally tufts on stones and larger algae, especially *Laminaria hyperborea* stipes
Sphacelaria cirrosa	*Sphacelaria cirrosa*	*S. cirrosa, S. hysterix* (on *Cystoseira*) and *S. bipinnata* (on *Halidrys*)	*S. cirrhosa* var. *pennata*, var. *irregularis*, var. *patentissima*, var. *aegagrophila*	Newton (1931)	Pinnate branching, branches of determinate growth, tri-furcate propagules. Common and widely distributed forming small tufts, usually epiphytic on larger algae in intertidal pools (especially on *Halidrys siliquosa*).
Sphacelaria fusca	*Sphacelaria fusca*	*S. furcigera*	*S. cirrhosa* var. *fusca*		Irregular branching, branches of indeterminate growth, tri-furcate propagules. Not uncommon and widely distributed, intertidal forming small tufts or hemispherical cushions
Battersia mirabilis	*Sphacelaria mirabilis*		*Battersia mirabilis*	Newton (1931)	Rare forming very thin black crusts in the shaded sandy pools in the lower intertidal
Sphacelorbus nanus	*Sphacelaria nana*		*S. olivacea*		Rare but widely distributed forming small felt-like mats in the upper intertidal often on shaded, vertical walls and inside caves
Battersia plumigera	*Sphacelaria plumigera*	*S. plumigera*	*S. plumigera*		Rare, forming tufts in sandy pools in the lower intertidal
Chaetopteris plumosa	*Sphacelaria plumosa*	*S. plumosa*	*Chaetooteris plumosa*	Kornmann & Sahling (1977), Newton (1931)	Not uncommon and widely distributed, subtidal forming erect, branched feather-like tufts on stones and rock
(*Sphacelaria plumula* current name but not mentioned in text, see AlgaeBase)	*Sphacelaria plumula*	*S. plumula*	*S. plumula*		Not uncommon, subtidal, forming small tufts on bedrock
Battersia racemosa	*Sphacelaria racemosa*	*S. racemosa*	*S. racemosa*		Rare in the south and west forming small tuft in sandy intertidal pools
Protohalopteris radicans	*Sphacelaria radicans*	*S. radicans*	*S. radicans*	Kornmann & Sahling (1977)	Not uncommon and widely distributed. Forming dense carpet-like turts on sand covered stones and rock in lower intertidal pools in the shallow intertidal. Newton comments that it can be difficult to separate from *S. cirrosa*. *S. radicans* never has opposite branches whereas *S. cirrosa* frequently does so
Sphacelaria rigidula (current name, see Keum et al, 2005)	*Sphacelaria rigidula*	*S. furcigera*	*S. furcigera* var. *saxatilis*	Kornmann & Sahling (1977)	Uncommonly recorded in intertidal pools either ephiphytic or epilithic forming dense turfs or mats
(*Sphacelaria tribuloides* current name but not mentioned in text, see Keum et al, 2005)	*Sphacelaria tribuloides*	*S. tribuloides*	*S. tribuloides*		Rare, western distribution, stiff brush-like turfs in lower intertidal pools