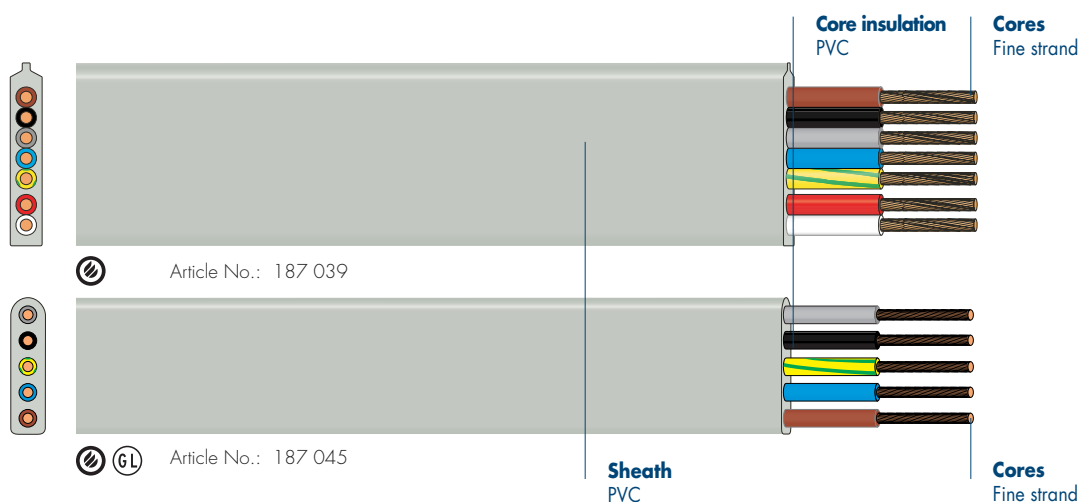


ecobus® Power I

Flat form power cable

For industrial applications

Dätwyler Cables



Product information



Applications

Special cable for the decentralised ecobus® cabling system for installation in industrial areas with normal mechanical requirements. For use such as H05VV5-F in accordance with DIN VDE 0283-2. The cable can also be used in areas with explosion risk and run through damp and wet rooms.

The cable may be moved after installation, especially for addition or removal of components, or for inspection of industrial machinery, subject to the requirement that no excessive mechanical load is placed on the cable when it is moved.

Construction/Composition

Copper conductor, 2.5 mm ²	Bare, fine stranded wire IEC 60228 Class 6, EN 60228 Class 6
Copper conductor, 16mm ²	Bare, fine stranded wire IEC 60228 Class 5, EN 60228 Class 5
Core Insulation	PVC, EN 50363-3, VDE 0207-363-3 „Tl3“ (former HD 21.1.S4)
Outer Sheath	PVC according to VDE 0276-603, HD 603 S1 + A1 „DMV6“, oil resistant according to EN 50363-4-1 „TM5“ (former HD 21.1 S4)
Core colours	Power cable: brown, black, grey, blue, green/yellow Control cable: red, white
Sheath colour	Light grey
Imprint: Art. no. 187 039	DAETWYLER ECOBUS POWER I G2.5MM ² TYPE 8727-H 1KV VDE REG. NO. 7654 "production date" "meter marks"
Imprint: Art. no. 187 045	DAETWYLER ECOBUS POWER I 5G16 MM ² TYPE 8727-K 1KV VDE REG. NO. 7653 "production date" "meter marks"

Electrical properties

Nominal voltage	0,6/1KV
Test voltage	4000 V, 50 Hz

General properties

Operating temperature	Permanent installation -15°C to +90°C During installation +5 °C to +50°C
Tested and certified	With reference to VDE 0283-2, EN 50214, (former HD 359 S2), EN 50363-3, VDE 0276-603, HD 603 S1+A1, EN 50363-4-1, IEC 60092-353 and IEC 60227-6
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Oil resistant	EN 50363-4-1 (former HD 21.1 S4 and VDE 0281-1)

Article No.	No. of cores x cross section	Cu Spec.	Weight	Dimensions	Fire load
	n x mm ²	kg/km	kg/km	app. mm	kWh/m
187 039 / 187 040	7 x 2,5	168	400	35,0 x 6,1	1,30
187 045 / 187 046	5 x 16	768	1255	48,6 x 11,3	2,88