



### Product information



#### Applications

Halogen-free, low smoke, flame retardant special cable for the decentralised ecobus® cabling system for installation in dry rooms. For permanent installation, e.g. in furniture, false walls, partition walls and building cavities. The cable can also be used in areas with explosion risk and run through damp and wet rooms. The cable type with Lloyd's Register approved is suitable for ship and offshore applications.

#### Construction/Composition

Copper conductor, 2.5 mm <sup>2</sup>	Bare, fine stranded wire IEC 60228 Class 6, EN 60228 Class 6
Copper conductor, 16mm <sup>2</sup>	Bare, fine stranded wire IEC 60228 Class 5, EN 60228 Class 5
Core Insulation	Crosslinked Polyethylen in accordance with CENELEC HD 603 S1, VDE 0276-603 „DIX1“ (früher VDE 0207-22)
Outer Sheath	Thermoplastic Polymer compound in accordance with VDE 0250-214 „HM2“
Core colours	Power cable: brown, black, grey, blue, green/yellow Control cable: red, white
Sheath colour	Light grey
Imprint: Art. no. 187 059	DAETWYLER ECOBUS POWER I 5G2.5MM <sup>2</sup> TYPE 8816-H FR/LSOH 1KV VDE REG. NO. 7652 "production date" "meter marks"
Imprint: Art. no. 187 025	DAETWYLER ECOBUS POWER I 5G16 MM <sup>2</sup> TYPE 7443-K FR/LSOH 1KV VDE REG. NO. 9480 "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 +70°C During installation +5 °C to +50°C
Tested and certified	With reference to VDE 0283-2, EN 50214, (former HD359 S2), VDE 0276-603, VDE 0250-214, IEC 60092-353 and IEC 60227-6

Zero halogen	IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
non corrosive gases	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Flame retardant	IEC 60332-3-24 Cat.C, EN 50266-2-4 Cat.C,
Fire resistant	VDE 0482-266-2-4 Cat.C
(no flame propagation)	
Minimum smoke emission	IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

Article No.	No. of cores x cross section	Cu Spec.	Weight	Dimensions	Fire load
	n x mm <sup>2</sup>	kg/km	kg/km	app. mm	kWh/m
187 059 / 187 060	7 x 2,5	168	401	35,0 x 6,1	1,30
187 025 / 187 026	5 x 16	768	1266	48,6 x 11,3	2,48