



Product information



Applications

Zero halogen, 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 ²	Bare, fine stranded wire IEC 60228 Class 6, EN 60228 Class 6
Copper conductor, 10 mm ²	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	grey, black, brown, blue, green/yellow
Sheath colour	Light green
Imprint: Art. no. 187 053	DAETWYLER ECOBUS POWER 5G2.5MM ² FR/LSOH TYPE 8787-H 1KV VDE REG.-NO. 7597 "production date" "meter marks"
Imprint: Art. no. 187 022	DAETWYLER ECOBUS POWER 5G10MM ² FR/LSOH TYPE 7443-K 1KV +S+S+S VDE REG.-NO. 9480 "production date" "meter marks"

Electrical properties

Nominal voltage	0,6/1KV
Test voltage	4000 V, 50 Hz
Operating Temperature	permanent installation -15°C to +70°C During installation +5 °C to +50°C

General properties

Cable construction	With reference to DIN VDE 250-214 and DIN VDE 0281-404 corresponds to CENELEC HD 359 S2, IEC 60092-353 and IEC 60227-6
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	
non corrosive gases	IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Fire resistant (no flame propagation)	IEC 60332-3-24 Cat. C, EN 50266-2-4 cat.C,
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 ²	kg/km	kg/km	app. mm	kWh/m
187 053 / 187 055	5 x 2,5	120	259	24,0 x 6,0	0,618
187 022 / 187 023	5 x 10	480	844	38,5 x 10,0	1,835