



### Product information



#### Applications

Halogen-free, low smoke, flame retardant special bus cable for the decentralised ecobus® cabling system for installation in dry rooms with medium mechanical requirements. 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.

This cable type is Lloyd's Register approved and suitable for ship and offshore applications.

#### Construction/Composition

Copper conductor	Tinned Cu, fine strand, IEC 60228 Class 5 EN 60228 Class 5 (VDE 0295 Class 5)
Core insulation	PE, EN 50290-2-23 „L/MD“, VDE 0819-103 (former VDE 0207-2)
Shielding	Three aluminium-laminated tapes
Outer Sheath	Thermoplastic Polymer compound in accordance with VDE 0250-214 „HM2“
Core colours	Natural
Sheath colour	Grey
Imprint	DAETWYLER ECOBUS DATA 2X1.5MM <sup>2</sup> TYPE 8641-F VDE REG. NO. 7010 "production date", "meter marks"

#### Electrical properties

Nominal voltage	300 V (peak value)
Test voltage	4000 V, 50 Hz
Transmission properties	
DC resistance	≤ 13.7 Ω/km
Capacitance	nom. 70 pF/m
Attenuation at 1 MHz	nom. 1.2 dB/100m
Char. impedance at 1 MHz	nom. 75 Ω

#### 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 0817, VDE 0819-103, EN 50290-2-23, VDE 0250-214

Zero halogen	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, VDE 0482-266-2-4 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 <sup>2</sup>	kg/km	kg/km	app. mm	kWh/m
179 670 / 176 900	2 x 1,5	29	92,3	11,0 x 6,0	0,44