



Product information



Applications

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	PVC, EN 50363-4-1, VDE 0207-363-4-1 „TM2“ (former HD 21.1.S4)
Core colours	Natural
Sheath colour	Grey
Imprint	DAETWYLER ECOBUS DATA 2X1.5MM ² Type 8640-F VDE Reg. No. 6598 “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
Impedance Z ₀ 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 0819-102, EN 50290-2-22 and IEC 60227-6
 Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2

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
179 669 / 175 475	2 x 1,5	29	91,7	11,0 x 6,0	0,48