



Product information



Applications

Special bus cable for the decentralised ecobus® EIB system for installation in dry rooms with medium mechanical requirements. The cable can also be used in areas with explosion risk and run through damp and wet rooms. This cable type is not suitable for outdoor applications. Max. permitted temperature at conductor is 70°C.

Construction/Composition

Copper conductor	Bare, 0.8 mm diameter
Core insulation	Polyolefin compound EN 50290.2.23 "L/MD" (according to FR/LSOH) PVC compound "T11" (according to PVC)
Stranding	4 cores to star quad
Tape	Polyester tape
Shielding	Aluminium laminated plastic foil with drain wire, 0.8 mm diameter
Outer sheath	Polyolefin compound (DIN VDE 250-214, HM 2), flame retardant (according to FR/LSOH) PVC compound "TM1" (according to PVC)
Sheath colour	Green
Imprint	DAETWYLER ECOBUS DATA-R N X N X 0,8 MM FR/LSOH TYP 8759-U „production date“ „meter marks“ (for FR/LSOH-Version) EIB/KNX-BUS CABLE (for PVC-Version)

Electrical properties

Nominal voltage	max. 300 V
Test voltage	4000 V, 50 Hz

General properties

Operating temperature	permanent installation -30°C to +70°C
	During installation -5°C to +50°C

- Zero halogen non corrosive gases IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2 (for FR/LSOH)
- Flame retardant IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
- Fire resistant (no flame propagation) IEC 60332-3-25 Cat. D, EN 50266-2-5 cat. D, VDE 0482-266-2-5 cat. D (for FR/LSOH)
- 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) (for FR/LSOH)

Article No.	No. of cores x cross section	Sheath	Cu Spec.	Weight	Dimensions	Fire load
	n x n x mm		kg/km	kg/km	app. mm	kWh/m
181 063	1 x 2 x 0,8	FR/LSOH	15	44	6	0,12
181 064	2 x 2 x 0,8	FR/LSOH	25	60	7	0,16
300 917	2 x 2 x 0,8	PVC	25	64	7	0,60