



Product information

Application

Halogen-free low smoke special cables for the decentralised Ecobus cabling system, with improved characteristics in the case of fire. For uses such as NYM in accordance with VDE 0298-3: 1983-08. This cable can also be used in damp and wet areas when protection type IP 54 connectors are used. For permanent installation, e.g. in furniture, false walls, partition walls and building cavities. The cable can be laid in areas where there is danger of explosion.

Composition

Power Copper conductor	Bare, fine stranded wire DIN VDE 0295 Class 6, CENELEC HD 383 S2 Class 6
Core insulation	Crosslinked, halogen-free and flame resistant PE in accordance with DIN VDE 0207-22, "2X11", based on IEC 60502-1 "XLPE" <LETTERSPACE -0.04>
Outer sheath	Thermoplastic and halogen-free PE compound in accordance with DIN VDE 0207-24, HM2 Dimensions, DIN VDE 0281-404, CENELEC HD 359 S2
Bus Copper conductor	Zinc-coated Cu, DIN VDE 0295 Class 5, CENELEC HD 383 S2 Class 5
Core insulation	PE, DIN VDE 0207-2, 2Y12
Shielding	Three aluminium-laminated tapes
Outer sheath	Thermoplastic and halogen-free PE compound in accordance with DIN VDE 0207-24, HM2 Dimensions, DIN VDE 0281-5, CENELEC HD 21.5 S3
Core colours	Power cable black, brown, black, blue, green/yellow Bus cable natural
Sheath colour	Blue lilac
Imprint	Dätwyler Ecobus Combi 5G2.5+2G1.5mm ² FR/LSOH Type 8620-H VDE Reg.-No. 6548 "production date" "meter marks"

Electrical Properties

Nominal voltage	Power supply part 450/750 V, bus pair 300/300 V
Test voltage	4000 V, 50 Hz
Operating temperature	-15°C to +70°C

General Properties

Halogen-free, No corrosive gas emissions	(DIN-VDE 0472-813) New: DIN VDE 0482-267, EN 50267 (CENELEC HD 602), IEC 60754-2
Self extinguishing	(DIN-VDE 0472-804) New: DIN VDE 0482-265, EN 50265 (CENELEC HD 405.1), IEC 60332-1
Low fire propagation	DIN VDE 0472-804/Test class C, CENELEC HD 405.3, IEC 60332-3 cat. C
Minimum smoke production	(DIN-VDE 0472-816) New: DIN VDE 0482-268, EN 50268 (CENELEC HD 606), IEC 61034

Article no.	No. of cores x cross section	Cu Spec.	Weight	Dimensions	Fire Prop.
179 668	n x mm ² 5 x 2.5 + 2 x 1.5	kg/km 149	kg/km 339	app. mm 32 x 6	kWh/m 1.18