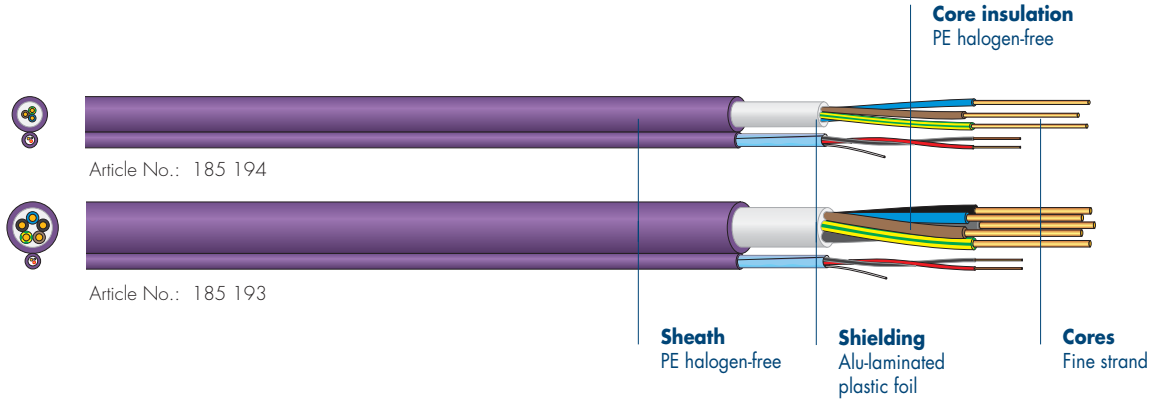

Product information

Applications

Halogen-free, low smoke, flame retardant special 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.

Construction/Composition

Power	
Copper conductor	Bare, single strand wire IEC 60228 Class 5, EN 60228 Class 5
Core insulation	Crosslinked halogen-free polyethylene "2XI1", DIN VDE 0276-4, CENELEC HD 604, wall thickness: DIN VDE 0250-214 table 1 column 4
Core bedding	Thermoplastic and halogen-free PE compound, DIN VDE 0250-215
Outer sheath	Thermoplastic and halogen-free PE compound "HM5" in accordance with DIN VDE 0250-215
Bus	
Copper conductor	Bare copper solid, DIN VDE 0815, diameter 0.8
Core insulation	Halogen-free polymer compound: EN 50290-2-23 „L/MD"
Shielding	Aluminium-laminated plastic foil with tinned drain wire, diameter 0.8
Tape	plastic foil
Outer sheath	Thermoplastic and halogen-free PE compound "HM5", DIN VDE 0250-215, wall thickness: DIN VDE 0815
Core colours	Power cable: grey, black, brown, blue, green-yellow bus cable: red, black
Sheath colour	Blue lilac
Imprint	DAETWYLER ECOBUS COMBI-R "N X MM²+N X N X MM" FR/LS0H TYPE 8762-F "production date" "meter marks"

Electrical properties

Nominal voltage	Power supply U_0/U 300/500 V, bus pair 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 +70°C
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 60332-3-25 Cat. D, EN 50266-2-5 cat. D, VDE 0482-266-2-5 cat. D
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 + n x mm	kg/km	kg/km	app. mm	kWh/m
185 194	3 x 1,5 + 1 x 2 x 0,8	54	180	15 x 9	auf Anfrage
185 193	5 x 2,5 + 1 x 2 x 0,8	130	314	18 x 12	auf Anfrage

Technical changes reserved.