

LBB 4416/xx Network Cables

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The network cables come in different lengths with connectors at both ends. The extension of the type number indicates the length of the cable. The LBB 4416/00 comes without connectors. The connectors (LBB 4417/00) are available for it separately.

Functions

LBB 4416 /01 /02 /05 /10 /20 /50

These are special cables with two plastic fibers for data communication and two copper cores for the power supply.

The cables all have the network connectors fitted. They connect the network controller to power amplifiers, audio expanders, call stations etc.

LBB 4416/00

This is a special cable with two plastic fibers for data communication and two copper cores for the power supply.

The cable is 100 meters long, and comes without network connectors. LBB 4417/00 connectors are fitted after the cable has been cut to the required length. It connects the network controller to power amplifiers, audio expanders, call stations etc.

Certifications and approvals

Safety	acc. to IEC 60065 / EN 60065
Immunity	acc. to EN 55103-2 / EN 50130-4 / EN 50121-4
Emissions	acc. to EN 55103-1 / FCC-47 part 15B
Emergency	acc. to EN 60849 / EN 54-16 / ISO 7240-16
Maritime	acc. to IEC 60945
Flame retardant	acc. to IEC 60332-1 60s
Halogen level	acc. to IEC 60754-2 pH >4.3, conductivity <10 uS/mm
Smoke level	acc. to IEC 61034-2 light transmission >60%

Region	Certification
Europe	CE
	GL

Installation/configuration notes

The cables have the following lengths

LBB4416/00	100 m (without connectors)
LBB4416/01	0.5 m
LBB4416/02	2 m
LBB4416/05	5 m
LBB4416/10	10 m
LBB4416/20	20 m
LBB4416/50	50 m

Technical specifications

Electrical

Wire	Copper, stranded 1 mm ²
Resistance	<0.018 ohm/m

Optical

Fiber	PMMA, 1 mm
Numeric aperture	0.5
Attenuation	<0.17 dB/m @ 650 nm
Bending loss	<0.5 dB (r=20 mm, 90°) JIS C6861

Mechanical

Dimensions (diameter)	7 mm (0.28 in)
Color	Black
Pull force	150 N (max)

Environmental

Operating temperature	-40 °C to +65 °C (-40 °F to 149 °F)
Humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering information

LBB 4416/00 Network Cable 100m

Praesideo hybrid network cable, 100 m without connectors for custom length cables, to be used with LBB4417/00 network connectors.

Order number **LBB4416/00**

LBB 4417/00 Set Network Connectors (20 pcs)

Praesideo network connectors, to be used with LBB4416/00 network cable for 10 custom length cables (set of 20 pieces).

Order number **LBB4417/00**

LBB 4418/00 Cable Connector Tool Kit

Case with special tools for manufacturing custom-length network cables.

Order number **LBB4418/00**

LBB 4416/01 Network Cable Assembly 0.5m

Praesideo hybrid network cable, 0.5 m length with network connectors.

Order number **LBB4416/01**

LBB 4416/02 Network Cable Assembly 2m

Praesideo hybrid network cable, 2 m length with network connectors.

Order number **LBB4416/02**

LBB 4416/05 Network Cable Assembly 5m

Praesideo hybrid network cable, 5 m length with network connectors.

Order number **LBB4416/05**

LBB 4416/10 Network Cable Assembly 10m

Praesideo hybrid network cable, 10 m length with network connectors.

Order number **LBB4416/10**

LBB 4416/20 Network Cable Assembly 20m

Praesideo hybrid network cable, 20 m length with network connectors.

Order number **LBB4416/20**

LBB 4416/50 Network Cable Assembly 50m

Praesideo hybrid network cable, 50 m length with network connectors.

Order number **LBB4416/50**

Accessories

LBB 4419/00 Cable Couplers (10 pcs)

Cable couplers, each coupler is used to connect 2 Praesideo network cables in series to increase the length to 30 m maximum (set of 10 pieces).

Order number **LBB4419/00**

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