

LBB4416/xx Network cable

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Invented for life



- ▶ Sturdy hybrid network cable
- ▶ Dual plastic optical fibers (POF) and copper power conductors
- ▶ Wide range of pre-assembled cable lengths
- ▶ Low smoke/zero halogen (LSZH) sheet material
- ▶ Wide temperature range operation

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 /40

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

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	Regulatory compliance/quality marks	
Europe	CE	DECL EC Accessories

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
LBB4416/40	40 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	<0.2 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**LBB4416/00 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**

LBB4417/00 Network cable connector

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

Order number **LBB4417/00**

LBB4418/00 Network cable toolkit

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

Order number **LBB4418/00**

LBB4416/01 Network cable assembly, 0.5m

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

Order number **LBB4416/01**

LBB4416/02 Network cable assembly, 2m

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

Order number **LBB4416/02**

LBB4416/05 Network cable assembly, 5m

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

Order number **LBB4416/05**

LBB4416/10 Network cable assembly, 10m

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

Order number **LBB4416/10**

LBB4416/20 Network cable assembly, 20m

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

Order number **LBB4416/20**

LBB4416/40 Network cable assembly, 40m

Praesideo hybrid network cable, 40 m length with network connectors.

Order number **LBB4416/40**

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