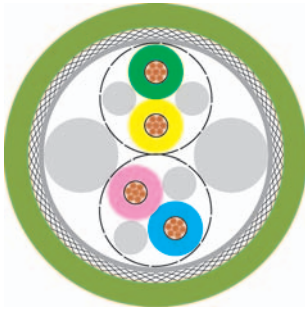


BUS Cables

HMCB200**HELUKABEL®**

fixed installed



Type Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Fixed installation, indoor 2x2x0,22qmm

Copper, bare (AWG 22/7)
Foam-skin-PE
gn, ye, pk, bu
Double core
Polyester foil over stranded bundle
Polyester foil, aluminium-lined
Cu braid, tinned
PVC
app. 6,8 mm ± 0,15 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
Conductor resistance, max.: 90 Ohm/km
Insulation resistance, min.: 1 GOhm x km
Loop resistance: 180 Ohm/km max.
Mutual capacitance: 50 nF/km nom.
Test voltage: 0,5 kV

Typical values

Frequency (MHz)	10	16	62,5	100
Attenuation (db/100m)	8,0	10,0	20,0	27,0
Next (db)	47,0	44,0	35,0	32,0
ACR (db)	39,0	34,0	15,0	5,0

Technical data

Weight: app. 63 kg/km
bending radius, repeated: 70 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +80°C
Caloric load, approx. value: 0,92 MJ/m
Copper weight: 35,00 kg/km

Norms

Applicable standards: Flame-retardant acc. to IEC 60332-1
UL Style: AWM Style 2502 AWM I/II A/B 80°C 30V FT1

Application

HELUKABEL® HMCB200 for fixed installation and slight occasional movement, range up to 100m. This cable is used in Siemens Systems. Typical plugs are RJ45 Industrial IP20 Siemens or Y-Con RJ45 Yamaichi or round M-Connectors from Molex.

Part no.

802471, HMCB200

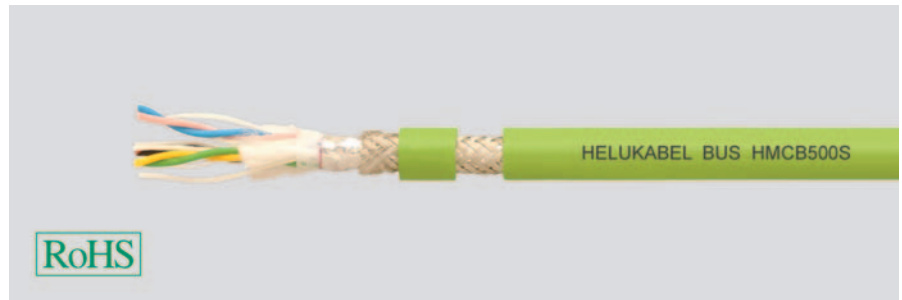
Dimensions and specifications may be changed without prior notice.

* Drive Cliq is registered trademark from Siemens AG.

BUS Cables

HMCB500S


Drag Chain



Type

Cable structure

Inner conductor diameter 1:
 Inner conductor diameter 2:
 Core insulation 1:
 Core insulation 2:
 Core colours 1:
 Core colours 2:
 Stranding element 1:
 Shielding 1:
 Shielding 2:
 Total shielding:
 Outer sheath material:
 Cable external diameter:
 Outer sheath colour:

Drag chain applications

2x2xAWG24 + 1x2xAWG22

Copper, bare (AWG 24/7)
 Copper, tinned (AWG 22/19)
 Foam-skin-PE
 PE
 gn, ye, pk, bu
 rd, bk
 Double core
 -
 -
 Foil + braid
 PVC
 app. 6,95 mm ± 0,15 mm
 Green similar to RAL 6018

Electrical data

Characteristic impedance:
 Conductor resistance, max.:
 Insulation resistance, min.:
 Loop resistance:
 Mutual capacitance:
 Test voltage:

100 Ohm ± 15 ohm at 1 to 100 MHz
 90 Ohm/km
 1 GOhm x km
 180 Ohm/km max.
 50 nF/km nom.
 0,5 kV

Typical values

Frequency	(MHz)	10	16	62,5	100
Attenuation	(db/100m)	10,0	12,0	23,0	30,0
Next	(db)	47,0	44,0	35,0	32,0
ACR	(db)	37,0	36,0	12,0	2,0

Technical data

Weight: app. 66 kg/km
 bending radius, repeated: 125 mm
 Operating temperature range min.: 0°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,00 MJ/m
 Copper weight: 38,00 kg/km

Norms

Applicable standards: Flame-retardant acc. to IEC 60332-1
 UL Style: AWM Style 2502 AWM I/II A/B 80°C 30V FT1
 CSA standard: CSA FT1

Application

HELUKABEL® HMCB500S is designed for occasional moving in cable carriers and ranges up to 100m without repeater. This cable is used in Siemens Systems.

Typical plugs are RJ45 Industrial IP20 Siemens or Y-Con RJ45 Yamaichi or round M-Connectors from Molex.

Part no.

803672, HMCB500S

Dimensions and specifications may be changed without prior notice.

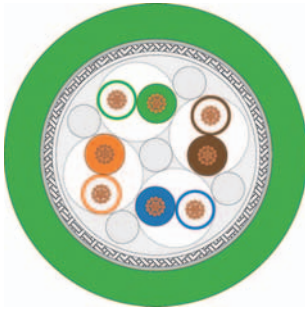
* Drive Cliq is registered trademark from Siemens AG.

R

BUS Cables

HMCB800**HELUKABEL®**

Drag Chain



Type

Cable structure

Inner conductor diameter 1:
 Inner conductor diameter 2:
 Core insulation 1:
 Core insulation 2:
 Core colours 1:
 Core colours 2:
 Stranding element 1:
 Shielding 1:
 Shielding 2:
 Total shielding:
 Outer sheath material:
 Cable external diameter:
 Outer sheath colour:

Drag chain applications

2x2x0,20qmm + 1x2x0,38qmm

Copper, bare (AWG 25/19)
 Copper, tinned (AWG 22/19)
 PE
 PE
 gn, ye, pk, bu
 rd, bk
 Double core
 -
 -
 Foil + braid
 PUR
 app. 6,95 mm ± 0,15 mm
 Green similar to RAL 6018

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
 Conductor resistance, max.: 100 Ohm/km
 Insulation resistance, min.: 1 GOhm x km
 Loop resistance: 270 Ohm/km max.
 Mutual capacitance: 50 nF/km nom.
 Test voltage: 0,5 kV

Typical values

Frequency (MHz)	10	16	62,5	100
Attenuation (db/100m)	8,0	10,0	20,0	27,0
Next (db)	47,0	44,0	35,0	32,0
ACR (db)	39,0	34,0	15,0	5,0

Technical data

Weight: app. 61 kg/km
 bending radius, repeated: 75 mm
 Operating temperature range min.: -20°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,90 MJ/m
 Copper weight: 40,00 kg/km

Norms

Applicable standards: Halogen-free acc. to 60754-2
 Flame-retardant acc. to IEC 60332-1
 UL Style: AWM Style 20236 AWM I/II A/B 80°C 30V FT1
 CSA standard: CSA FT1

Application

HELUKABEL® HMCB800W is designed for the most demanding continuous moving requirements in cable carriers and ranges up to 70 m without repeater. This cable is ideal solution in Siemens systems.

Typical plugs are RJ45 Industrial IP20 Siemens or Y-Con RJ45 Yamaichi or round M-Connectors from Molex.

Part no.

804767, HMCB800

Dimensions and specifications may be changed without prior notice.