

BUS Cables

HMCB800 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:
Separator:
Shielding 1:
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
-
-
AL-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: 37,00 kg/km

Norms

Applicable standards: Halogen-free acc. to 60754-1
Flame-retardant acc. to IEC 60332-1-2
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.

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