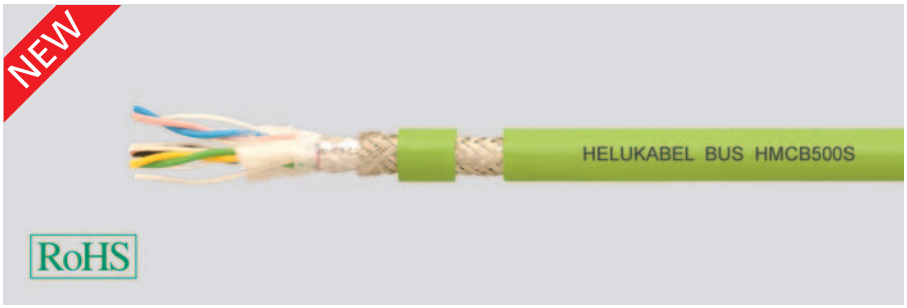
BUS Cables

HMCB500S

HELUKABEL

Drag Chain



Type
Cable structure

Drag chain applications
2x2xAWG24 + 1x2xAWG22

Inner conductor diameter 1:	Copper, bare (AWG 24/7)
Inner conductor diameter 2:	Copper, tinned (AWG 22/19)
Core insulation 1:	Foam-skin-PE
Core insulation 2:	PE
Core colours 1:	gn, ye, pk, bu
Core colours 2:	rd, bk
Stranding element 1:	Double core
Shielding 1:	-
Shielding 2:	-
Total shielding:	Foil + braid
Outer sheath material:	PVC
Cable external diameter:	approx. 7,0 mm ± 0,15 mm
Outer sheath colour:	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)	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:	approx. 72 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

UL Style:	AWM Style 2502 AWM I/II A/B 80°C 30V FT1
CSA standard:	CSA FT1

Application

These signal cables, designed specifically for use in heavy-duty industries, are the ideal solution for MOTION-CONNECT 200, 500 and 800** series applications. They guarantee superior transmission properties and can be used under the most severe conditions. The cable cited here conforms to HMCB500 for flexible applications inside motor drives for distances up to 100m.

Part no.

803672, HMCB500S

Dimensions and specifications may be changed without prior notice.

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