

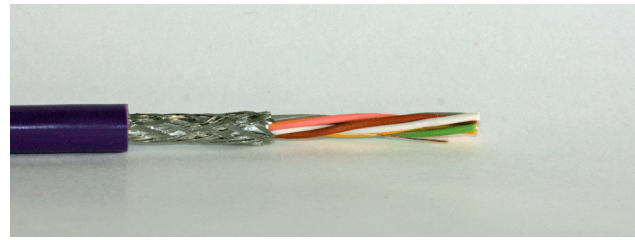
# DESCABUS motion IBS

0,25 mm<sup>2</sup> / 1,00 mm<sup>2</sup>

Drag chain cables Interbus

## Application

In dynamic application in drag chains for the cabling of industrial field bus systems such as Interbus S System (IBS).



## Construction

Extra flexible bare copper conductors  
Insulation Polyethylene base  
Coloured cores according to DIN 47100  
(1,00 mm<sup>2</sup>: red, blue, green-yellow)  
Cores twisted into pairs, pairs laid up in lays  
Non-woven tape  
Shielded by a tinned copper braid screen, optical coverage 85 %  
Sheath PUR, adhesion-free, violet RAL 4001

## Special Characteristics

The cables are halogen-free according to IEC 60754-1 and flame retardant according to IEC 60332-1, UL VW-1 and CSA FT-1.

## Technical Properties

Rated voltage U <sub>0</sub> /U	300 V
Test voltage	1500 V
Characteristic impedance	100 Ω
Loop impedance	max. 157 Ω/km
Operating capacitance	max. 60 nF/km
Temperature range	- 5°C ... + 80°C
- static installation	- 30°C ... + 80°C
Minimum bending radius	12 x cable diameter
- static	6 x cable diameter

## Standards / Approvals

UL 20233 CSA or UL 20549 CSA

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
218636	DESCABUS motion C11Y-100 IBS 3x2x0,25 mm <sup>2</sup> UL 20233 80°C 300 V	7.10	37.00	56.00
218637	DESCABUS motion C11Y-100 IBS 3x2x0,25 mm <sup>2</sup> + 3x1,00 mm <sup>2</sup> UL 20233 80°C 300 V	8.00	62.00	94.00

vt = violet

## Packaging

cut to desired length