

Drag chain cables Ethernet Bus cat. 5e

## Application

In dynamic application in drag chains for the cabling of industrial field bus systems on base of the TCP/IP protocol.



## Construction

Flexible bare copper conductors  
 Insulation on Polyethylene base respectively special Polyolefin  
 Coloured cores according to Ethernet Colour chart  
 Cores twisted to pairs  
 Shielded by Aluminium/Polyester laminated foil tape, over it  
 tinned copper braid screen, optical coverage 85 %  
 Sheath PUR, adhesion-free, green RAL 6018

## 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	250 V
Test voltage	1500 V
Characteristic impedance	100 Ω +/- 10 Ω
Loop impedance	
AWG 22/7 / AWG 22/19	max. 110 Ω/km
AWG 24/19	max. 165 Ω/km
AWG 26/19	max. 275 Ω/km
Operating capacitance	max. 48 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 20236 CSA or UL 20671 CSA

Part Number		Type n x mm <sup>2</sup>		Overall-Ø ca. mm	Copper kg/km	Weight kg/km
219289	DESCABUS motion A/C11Y-100 Ethernet	2x2xAWG 22/7	UL 20236 80°C 30 V (Type C)	gn 6.50	36.00	62.00
219290	DESCABUS motion A/C11Y-100 Ethernet	2x2xAWG 22/19	UL 20236 80°C 30 V (Type C)	gn 6.50	33.00	61.00
219280	DESCABUS motion A/C11Y-100 Ethernet	2x2xAWG 24/19	UL 20236 80°C 30 V	gn 5.90	22.00	47.00
219282	DESCABUS motion A/C11Y-100 Ethernet	4x2xAWG 24/19	UL 20236 80°C 30 V	gn 6.80	37.00	66.00
219276	DESCABUS motion A/C11Y-100 Ethernet	2x2xAWG 26/19	UL 20236 80°C 30 V	gn 5.50	20.00	43.00
219278	DESCABUS motion A/C11Y-100 Ethernet	4x2xAWG 26/19	UL 20236 80°C 30 V	gn 6.20	28.00	53.00
219242	DESCABUS motion A/C11Y-100 Ethernet	1x4xAWG 26/19	UL 20236 80°C 30 V	gn 4.90	18.20	36.00

gn = green

## Packaging

cut to desired length