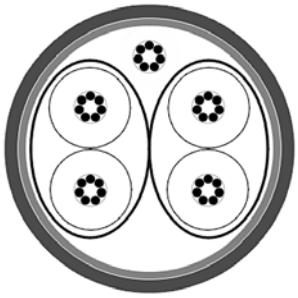
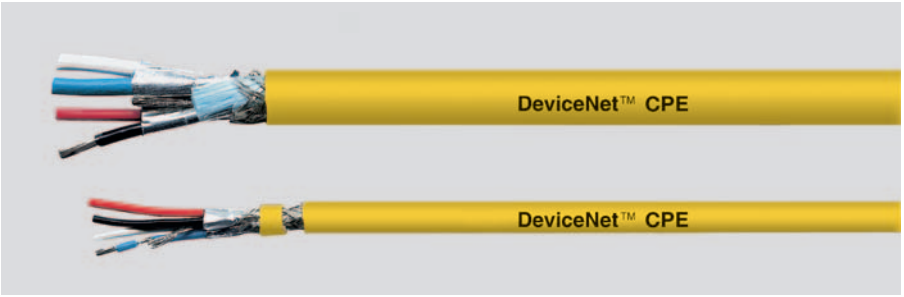
BUS Cables

HELUKABEL

RoHS

DeviceNet™ CPE





Type Cable structure	Fixed installation, indoor 1x2xAWG18 + 1x2xAWG15	Fixed installation, indoor 1x2xAWG24 + 1x2xAWG22
Inner conductor diameter 1:	Copper, tinned (AWG 18/19)	Copper, tinned (AWG 24/19)
Inner conductor diameter 2:	Copper, tinned (AWG 15/19)	Copper, tinned (AWG 22/19)
Core insulation 1:	PE	PE
Core insulation 2:	PE	PVC
Core colours 1:	light bu, wh	light bu, wh
Core colours 2:	rd, bk	rd, bk
Stranding element 1:	Double core	Double core
Shielding 1:	-	-
Shielding 2:	Polyester foil, aluminium-lined	Polyester foil, aluminium-lined
Total shielding:	Cu braid, tinned	Cu braid, tinned
Drain wire:	yes	yes
Outer sheath material:	PVC	PE
Cable external diameter:	approx. 12,0 mm ± 0,3 mm	approx. 7,0 mm ± 0,3 mm
Outer sheath colour:	Yellow	Yellow
Electrical data		
Characteristic impedance:	120 Ohm ± 10 %	120 Ohm ± 10 %
Conductor resistance:	22,6 Ohm/km max.	90,0 Ohm/km max.
Insulation resistance:	0,20 GOhm x km min.	0,20 GOhm x km min.
Mutual capacitance:	39,0 nF/km nom.	39,0 nF/km nom.
Test voltage:	2,0 kV	2,0 kV
Attenuation:	125 kHz < 0,43 dB/100m 500 kHz < 0,82 dB/100m	125 kHz < 0,95 dB/100m 500 kHz < 1,64 dB/100m
Technical data		
Weight:	approx. 195,0 kg/km	approx. 70,0 kg/km
Min. bending radius for laying:	190,0 mm	110,0 mm
Operating temperature range min.:	-20°C	-20°C
Operating temperature range max.:	+60°C	+60°C
Caloric load, approx. value:	2,73 MJ/m	0,82 MJ/m
Copper weight:	71,2 kg/km	28,1 kg/km
Norms		
Applicable standards:	ODVA DeviceNet	ODVA DeviceNet
UL Style:	CMG PLTC	CL2 CMG
CSA standard:	CEC: CMG FT4	CEC: CMG FT4

Application

DeviceNet™ is a bus system developed by Allen Bradley (Rockwell Automation). These cables are used to interconnect various industrial devices, such as SPS controls or limit switches. The special characteristic of this bus system is that a data pair and a power supply pair are integrated in one cable. These cables are designed for fixed installation.

Part no.

81907, DeviceNet CPE

81908, DeviceNet CPE

Dimensions and specifications may be changed without prior notice.