



### Type

#### Cable structure

Inner conductor diameter:  
Core insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Drain wire:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

### Fixed installation, indoor

#### 3x0.5 mm<sup>2</sup>

Copper, bare (AWG 20/7)  
Cell PE  
wh, bu, ye  
Triple core  
Polyester foil over stranded bundle  
Polyester foil, aluminium-lined  
Cu braid, tinned  
yes  
PVC  
7,7 mm ± 0,3 mm  
Red

### Electrical data

Characteristic impedance:	110 Ohm ± 15 Ohm
Conductor resistance:	37,8 Ohm/km max.
Insulation resistance:	10,00 GOhm x km min.
Mutual capacitance:	60,0 nF/km nom.
Test voltage:	2,0 kV
Attenuation:	1 MHz < 16,0 dB/100m
	5 MHz < 35,0 dB/100m

### Technical data

Weight:	approx. 77,0 kg/km
Min. bending radius for laying:	120,0 mm
Operating temperature range min.:	-40 °C
Operating temperature range max.:	+70 °C
Caloric load, approx value:	1,10 MJ/m
Copper value:	40,0 kg/km

### Norms

Applicable standards:	CC-Link Specification 1.10
UL Style:	CM PLTC

### Application

The CC link (control and communication link) is a field bus system that is used in the area of testing, sensors and actuators. The main target market is Asia, but the USA and Great Britain also rely more and more on CC link. As an option, a version with power supply cores is available. It is used particularly in channels.

### Part no.

**800497**, CC-Link communications cable