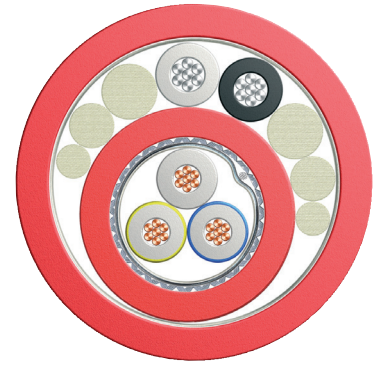


# CC-Link

Power Limited Tray Cable for Flexible Installation



## Cable Design

Power Core		
Conductor	Stranded tinned copper wire (7/0,4mm)	Ø 1,21 mm
Insulation	Polyvinylchloride (PVC)	Ø 2,40 mm
Triple Core cable		
Conductor	Solid bare copper wire 7/0,32 (20awg)	Ø 0,96 mm
Insulation	Foamed Polyethylene (PE) with skin	Ø 2,20 mm
1° Layer	3 wires twisted (WH-BU-YE)	
Tape	Plastic tape overlapped	
Screen	Alulaminat foil overlapped	
Drain Wire	Stranded tinned copper drain wire 0,38mm <sup>2</sup>	
Braid	Tinned copper wire braid, 80% coverage	Ø 5,50 mm
Jacket	Polyvinylchloride (PVC), Red	Ø 7,70 ± 0,30 mm
Core		
Assembly	1 x Triple core cable + 2 x power cores (WH/BK)	
Fillers	Fillers in interstices	
Tape	Plastic tape overlapped	Ø 10,10 mm
Outer Jacket	Polyvinylchloride (PVC), Red	Ø 12,80 ± 0,30 mm



## Specification

Part Number	Type
L45467-Y19-W5	CC-Link power limited tray cable for flexible installation, compliant with CC-Link specification 1.10, capable of 10 Mbps operation, 3x20AWG7 + 2x18AWG7

# CC-Link

Power Limited Tray Cable for Flexible Installation

## Electrical Data @ 20°C

Conductor resistance	≤	24	Ohm/km
Insulation resistance	≥	20	MOhm*km
Operating Voltage (peak)	≤	300	V
Test Voltage (wire/wire/screen rms 50Hz min.)	=	2000	V

## Electrical Data @ 20°C *Triple core cable*

Conductor resistance	≤	37,8	Ohm/km
Insulation resistance	≥	10	GOhm*km
Capacitance (1 kHz)	≤	60	nF/km
Characteristic Impedance	1	MHz	100±15 Ohm
Characteristic Impedance	5	MHz	110±6 Ohm
Attenuation	1	MHz	≤ 16 dB/km
Attenuation	5	MHz	≤ 35 dB/km
Operating voltage (peak)	≤	300	V
Test Voltage (wire/wire/screen rms 50Hz min.)	=	2000	V

## Mechanical & Thermal Characteristics

Permissible temperature range		-5 ~ +70	°C
Min. Bending radius allowed	repeated	7,5	x Ø
Min. Bending radius allowed	single	5	x Ø
Weight (approx.)		191	kg/km

*Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.*