



These 3 core data transmission cables are suitable for data rates up to 10MB/s. They are designed for CC-Link (Control & Communication Link) circuits. These fieldbus systems are commonly utilised in testing, sensor and actuator applications.

The PE Duct version is suitable for use in ducts, and the SWA versions are suitable for direct burial.

May be available as a composite with two 18AWG power cores, please call for more information.

Construction

- 20AWG stranded plain copper conductors
- polyethylene (PE) core insulation
- collective aluminium/polyester foil tape (CAT)
- screen with tinned copper drain wire
- overall tinned copper wire braid (TCWB) screen
- optional bedding and steel wire armour (SWA)
- red or black outer sheath, material varies

Technical

conductor stranding:	7x 0.32mm diameter (0.563mm ² area)
voltage rating:	300V operating
impedance:	110 Ohm (±15 Ω)
capacitance:	60pF/m @ 1hz
core resistance:	37.8 Ohms/km @ 20°C
data rate:	10MB/s
temperature range:	-40°C to +70°C operating
core identification:	coloured yellow, white & blue

Cable Type, Sheath Material & Colour	Cable Overall	
	Diameter (mm)	Weight (kg/km)
CC Link PVC Red	7.6	77
CC Link PE Duct Black	9.9	212
CC Link SWA PVC Red	12.1	276
CC Link SWA PE Red or Black	12.1	276

PVC or PE properties: both materials are flexible. PVC (polyvinylchloride) has moderate resistance to abrasion, organic solvents & oil, good resistance to water, aqueous salt solutions, acids & alkalis. PE (polyethylene) has good resistance to abrasion & organic solvents, excellent resistance to water, UV, inorganic salts, acids & alkalis.

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