

CC-Link

ES Cable for Trailing Applications

Cable Design

Wire

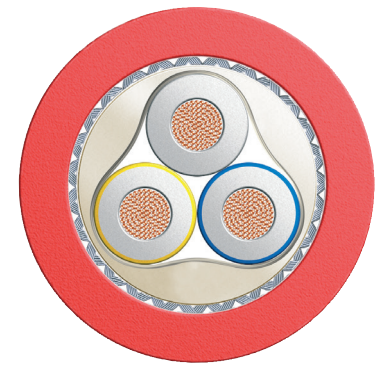
Conductor	Stranded bare copper wire 71 /0,10 (20awg)	Ø 1,00 mm
Insulation	Foamed Polyethylene (PE) with skin	Ø 2,20 mm

Core

1° Layer	3 wires twisted (WH-BU-YE)	
Easystrip Jacket	Soft Thermoplastic copolymer	Ø 5,40 mm
Braid	Tinned copper wire braid, 90% coverage	Ø 5,90 mm

Outer Jacket

	Thermoplastic Polyurethane (TPU), Red	Ø 8,50 ± 0,30 mm
Wall thickness	1,3 mm	



Characteristics

- UL-Style 20233 (80 °C/300 V),
- Halogen free acc. to IEC 60754

Specification

Part Number	Type
L45467-Y20-C28	CC-Link ES trailing cable (easy to strip), 3x20AWG71, UL recognised: AWM

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Electrical Data @ 20°C

Conductor resistance		≤	37,8	Ohm/km
Insulation resistance		≥	10	GOhm *km
Capacitance (1 kHz)		≤	60	nF/km
Characteristic Impedance	1	MHz	100±15	Ohm
Attenuation	1	MHz	≤ 18	dB/km
Attenuation	5	MHz	≤ 40	dB/km
Operating voltage		≤	300	V
Test Voltage (wire/wire/screen rms 50Hz min.)		=	2000	V

Mechanical & Thermal Characteristics

Permissible temperature range		-40 ~ +80	°C
Min. Bending radius allowed	repeated	8	x Ø
Min. Bending radius allowed	single	4	x Ø
Weight (approx.)		83	kg/km
Trailing cable for following requirements		1.5 million bending cycles	
		bending radius 10 x Ø	
		at a speed of 4 m/s	
		acceleration 4 m/s ²	
		maximum length horizontal of cable - 10m	

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