

M8 MALE 0° SHIELDED, ETHERCAT

791 PUR 1x4xAWG26 shielded gn 1.0

Ethernet CAT5e

Male straight

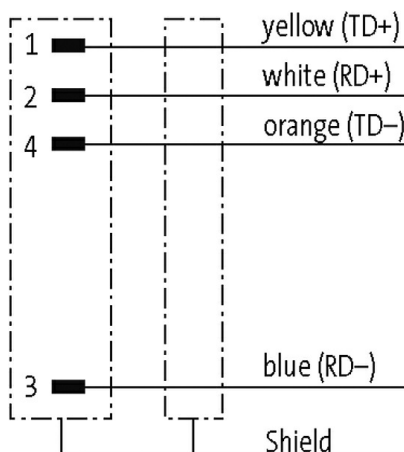
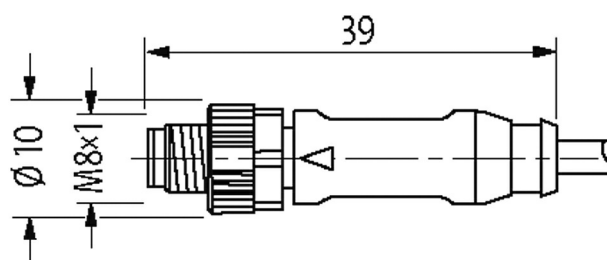
M8, 4-pole

shielded

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Illustration

Product may differ from Image

Approvals

* only for products with UL/CSA approved cable

cCSAus

More Info**Form**

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 10/20

Form 08811

General data

Pollution Degree 3

Temperature range -25...+85 °C, depending on cable quality

Cables

No./diameter of wires 1 × 4 × 0.15 mm²

Wire isolation PO (wh, ye, bl, or)

C-track properties 5 Mio.

Material (jacket) PUR (UL/CSA)

Outer Ø 4.9 mm ±5%

Bend radius (moving) 12× outer Ø

Temperature range (fixed) -20...+80 °C

Temperature range (mobile) -20...+50 °C

Cable identification 791

Approval (cable) UL (AWM-Style 20236/1589), CSA; CE

Cable weight [g/m] 59,40

Material (wire) Cu wire, bare

Resistor (core) max. 139.3 Ω/km (20 °C)

Single wire Ø (core) 0.15 mm

Construction (core) 19× 0.15 mm (multi-strand wire class 5)

Diameter (core) 1 × 4 × AWG26

AWG similar to AWG 26

Material (wire isolation) PO

Wire-Ø incl. isolation 1.0 mm ±5%

Color/numbering of wires wh, or, bl, ye

Stranding combination 4 wires twisted

Shield yes

min. 85%

Material (jacket) PUR

Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free

Outer-Ø (jacket) 4.9 mm ±5%

Color (jacket) green

chemical resistance good resistance to oil, gasoline and chemicals

thermal resistance flame retardant

Temperature range (fixed) -20...+80 °C

Temperature range (mobile) -20...+50 °C

Bend radius (fixed) 7.5× outer Ø

Bend radius (moving) 12× outer Ø

No. of bending cycles (C-track) max. 5 Mio. (25 °C)

Traversing distance (C-track) max. 5 m (horizontal)

Travel speed (C-track) max. 300 m/min

Acceleration (C-track) max. 5 m/s²

Jacket Color green

Technical Data

Operating voltage max. 50 V AC/DC

Operating voltage (only UL listed) max. 30 V AC/DC

Rated surge voltage 0.8 kV

Operating current per contact max. 4 A

Material group IEC 60664-1, category I

Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	up to 100 Mbit/s full duplex
Locking of ports	Screw thread (M8×1 mm) recommended torque 0.4 Nm, self-securing
Compression gland	M8 (SW9)
Protection	IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	6.5 mm

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879781206
eClass	27061801
Packaging unit	1

Sketch

Male



Product may differ from Image